



MINISTERUL EDUCATIEI SI CERCETARII
INSTITUTUL NATIONAL
DE CERCETARE - DEZVOLTARE PENTRU
MICROTEHNOLOGIE
I M T - B u c u r e s t i

Raport de autoevaluare

IMT-Bucuresti

1 Octombrie 2002- 30 Septembrie 2007

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1. Datele de identificare ale unitatii de cercetare-dezvoltare

- 1.1 Denumirea:** Institutul National de Cercetare-Dezvoltare pentru Microtehnologie (IMT-Bucuresti)
- 1.2 Statutul Juridic*1) :** Institut National de Cercetare Dezvoltare
- 1.3 Actul de infiintare*2) :** HG 1318/1996 publicat in MO nr.336 din 12.11.1996, modificat de HG 998/2006 , publicat in MO 701/16.08.2006
- 1.4 Nunarul de inregistrare in registrul potentialilor contractori:** - 1897
- 1.5 Director General/ Director:** Acad. Dan Dascalu
- 1.6 Adresa:** Voluntari, Str. Erou Iancu Nicolae nr. 126 A (32 B) , Jud ILFOV
- 1.7 Telefon, fax, pagina web, e-mail:** 490.84.12: 490.82.38: www.imt.ro

2. Domeniul de specialitate : micro si nanotehnologie

- 2.1 Conform clasificarii UNESCO:** 3307
- 2.2 Conform clasificarii CAEN :** 7310; 7420;7430;2211;3210;8042;9112.

3. Starea unității de cercetare-dezvoltare

3.1. Misiunea unitatii de cercetare-dezvoltare, directiile de cercetare, dezvoltare, inovare:

Misiunea IMT este aceea de a cerceta si dezvolta noi procese, structuri, sisteme in domeniul micro- si nanotehnologiilor. Cercetarea are un caracter multidisciplinar si se aplica nu numai in industria high-tech (TIC, biotehnologie), dar si in industriile traditionale. Principalele directii de cercetare in IMT sunt: microsisteme electromecanice de radio frecventa (RF-MEMS), micro-nanosisteme opto-electro mecanice (MOEMS), micro-nanosisteme pentru aplicatii biomedicale (BIO-MEMS), incluzand laborator pe un chip si "microarrays", materiale si microtraductori (inclusiv retele de microsenzori si senzori inteligenti) cu aplicatii in energie, mediu, agricultura. IMT dispune de o veritabila platforma tehnologica, cu facilitati de micro- si nanofabricatie (camera alba), inclusiv realizare de masti si nanolitografie cu fascicul de electroni, echipamente variate de caracterizare la scara "micro" si "nano", inclusiv defectoscopie si fiabilitate, simulare si proiectare asistata de calculator.

3.2. Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora :

Institutul dispune de competente si resurse care il recomanda ca un "pol tehnologic", la intersectia activitatilor de cercetare-dezvoltare cu cele de educatie si de inovare. IMT a fondat si contribuie esential la functionarea Parcului stiintific si tehnologic de micro- si nanotehnologie MINATECH-RO, cooperand intens cu firmele comerciale din parc. IMT a creat centrul de transfer tehnologic in microinginerie CTT-Baneasa si o retea de centre de cercetare si companii interesate de domeniu. IMT participa la numeroase proiecte europene (in special din PC 6); prin proiectul MIMOMEMS (finantat din REGPOT/PC 7) in IMT se va dezvolta un centru european de excelenta in domeniul micro-nanosistemelor. A crescut numarul brevetelor de inventie (10 cereri numai in ultimul an). Valoarea inovatiilor tehnologice este confirmata periodic prin medalii de aur si argint la Bruxelles si Hanovra. Rezultatele stiintifice sunt comunicate in numeroase publicatii ISI si conferinte internationale importante.

3.3 Situatia financiara – datorii la bugetul de stat: IMT nu are datorii la bugetul de stat

4. Criterii primare de performanta

punctaj

4.1. Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI		
4.1.1. Număr de lucrări științifice : 106	x 30	3180
4.1.2. Punctaj cumulată ISI : 179,909	x 5	899,545
4.1.3. Număr de citări în reviste de specialitate cotate ISI : 230	x 5	1150
(Lista lucrărilor și citărilor, grupate pe ani, se atașează ca anexa nr. 4.1)		
Total punctaj cap. 4.1:		5229,545

4.2. Brevete de invenție

4.2.1. Număr de brevete : 13	x 30	390
4.2.2. Număr de citări de brevete în sistemul ISI	x 5	-
(Lista brevetelor și citărilor, grupate pe ani, se atașează ca anexa nr. 4.2)		

Total punctaj cap. 4.2: 390

4.3. Produse și tehnologii rezultate din activități

de cercetare, bazate pe brevete, omologari sau inovații proprii. Studii prospective și tehnologice și servicii rezultate din activitatea de cercetare-dezvoltare, comandate de beneficiar (Se indica contractul și firma care utilizează produsul, serviciul și tehnologia).

4.3.1. Număr de produse, tehnologii, studii, servicii : 48	x 20	960
(Lista produselor, serviciilor și tehnologiilor, grupate pe ani, se atașează ca anexa nr. 4.3)		

Total punctaj cap. 4.3: 960

Total punctaj cap. 4: 6579,545

5. Criterii secundare de performanta

5.1. Lucrări științifice (tehnice) publicate în reviste de specialitate fără cotație ISI

5.1.1. Număr de lucrări : 100	x 5	500
(Lista lucrărilor grupate pe ani se atașează ca anexa nr. 5.1)		

Total punctaj cap. 5.1: 505

5.2. Lucrări științifice prezentate la conferințe internaționale cu comitet de program

5.2.1. Număr de comunicări prezentate: 527	x 5	2635
(Lista comunicărilor grupate pe ani se atașează ca anexa nr. 5.2)		

Total punctaj cap. 5.2: 2635

5.3. Modele fizice, modele experimentale, modele functionale, prototipuri, normative, proceduri, metodologii, reglementări și planuri tehnice noi sau perfectionate, realizate în cadrul programelor naționale sau comandate de beneficiar

5.3.1. Număr de modele, normative, proceduri etc.: 417	x 5	
(Lista modelelor, normativelor etc., grupate pe ani, e atașează ca anexa nr. 5.3)		

Total punctaj cap. 5.3: 2085

Total punctaj cap. 5: 5220

6. Prestigiul profesional

6.1. Membri (incluzând statutul de recenzor) în colectivele de redacție ale unor reviste (cotate ISI sau incluse în baze de date internaționale) sau în colective editoriale ale unor edituri internaționale recunoscute	punctaj
Număr de prezente în perioada pentru care se face evaluarea: 91 x 20	1820

Nr. crt.	Nume	Titlul revistei/editurii	Număr de prezente
1.	Dan Dascalu	Romanian Journal of Information Science and Technology (indexat ISI din 2007)	2
2.	Marius Bazu	IEEE Trans.on Reliability	9
3.	Marius Bazu	IEEE Transactions on Components and Packaging Technologies	
4.	Marius Bazu	IEEE Electron Device Letters	
5.	Marius Bazu	Sensors	
6.	Marioara Avram	Sensors and Actuators- A	
7.	Marioara Avram	Microelectronic Engineering	
8.	Marioara Avram	Journal of Micromechanics and Microengineering	
9.	Marioara Avram	Thin Films, Elsevier	
10.	Marioara Avram	IEEE Transactions on Nanotechnologies; IEEE;	
11.	Irina Kleps	Solid State Electronics, Elsevier	3
12.	Irina Kleps	Journal of Optical Technology	
13.	Codreanu Cecilia	Solid State Electronics, Elsevier;	2
14.	Codreanu Cecilia	IEEE Transactions on Electron Devices, Editura IEEE;	
15.	Moagar-Poladian Gabriel	Applied Optics / Optical Society of America	8
16.	Moagar-Poladian Gabriel	Optics Letters / Optical Society of America	
17.	Moagar-Poladian Gabriel	Optics Express / Optical Society of America	
18.	Mircea Dragoman	IEEE Antennas and propagation	9
19.	Mircea Dragoman	Applied Physics Letters	3
20.	Mircea Dragoman	Electronics Letters	4
21.	Mircea Dragoman	Journal of Applied Physics Letters	1
22.	Mircea Dragoman	Optics Letters	2
23.	Mircea Dragoman	NanoLetters	1
24.	Mircea Dragoman	Applied Optics	2
25.	Muller Alexandru	Journal of Micromechanics and Microengng	3
26.	Muller Alexandru	Sensors and Actuators	1
27.	Elena Manea	Solar energy material & solar cells, Elsevier	15
28.	Elena Manea	Microelectronic Engineering, Elsevier	
29.	Elena Manea	Journal of Micromechanics and Microengineering,	

		Elsevier	
30	Dana Cristea	Journal of Sol-Gel Science and Technology/ Springer Netherlands	1
31	Dana Cristea	IEEE Trans. on Electron Dev./IEEE	1
32	Dana Cristea	Journal of Optoelectronics and Advanced Materials	1
33	Dana Cristea	Optical Materials/Elsevier	3
34	Purica Munizer	Thin Solid Films/Elsevier	3
35	Purica Munizer	Vacumm/Elsevier	1
36	Cristian Kusko	Physical Review Letters/American Physical Society	1
37	Cristian Kusko	Physical Review//American Physical Society	6
38	Raluca Muller	ETRI Journal/ ETRI	1
39	Raluca Muller	Electronics Letters/ IET	1
40	Monica Simion	IEEE Sensor Journal	1
41	TOTAL prezente		91

6.2. Membri în colectivele de redactie ale revistelor recunoscute național (din categoria B în clasificarea CNCSIS)	punctaj
Număr de prezente: 18	x 10 180

Nr. crt	Nume	Titlul revistei/editurii	Nr. prezente
1	Dan Dascalu	Romanian Journal of Information Science and Technology (oct.2002-2006)	17
2	Dana Cristea	Smart Structures and Systems /Techno Press	1
		Total	18

6.3. Premii internaționale obținute printr-un proces de selecție	punctaj
Număr de premii: 17	x 20 340

Nr. crt.	Nume	Premiul	Anul
1.	Marioara Avram, Anca Angelescu, Irina Kleps	Medalie de argint, INVENTIKA 2007; Titlul invenției: <i>“Procedeu de realizare a tranzistorului cu valva de spin”</i> ;	2007
2.	Marioara Avram, Anca Angelescu, Irina Kleps	Gold Medal, International Exhibition of Inventions, Geneva; Titlul invenției: <i>“Microfabrication Procedure for a Spin Valve Magnetotransistor”</i> ;	2007
3.	Marioara Avram	THE WIPO AWARD FOR WOMAN INVENTOR, INVENTIKA, Geneva and Bucharest; Titlul invenției: <i>„Bipolar Magnetotransistor with Enhanced Emitter Injection Modulation and Carrier Deflection”</i> ;	2006
4.	Purica Munizer, Budianu Elena, Manea Elena	Medalie de aur cu mențiune la cea de-a X-a ediție a “Salonului Internațional de invenții și tehnologii noi - INVENTIKA”, București, România;	2006

		Titlul inventiei: <i>“Procedeu de realizare microstructurifotonice de detectie cu cavitate optica pe substrat de siliciu”</i> ;	
5.	Gabriel Moagăr-Poladian	Medalie de Aur, 55th World Exhibition of Innovation, Research and New Technology, Bruxelles, Belgium; Titlul inventiei: <i>“Method and equipment for guided transmission of information through fluid media and/or plasma by using electromagnetic radiation”</i> ;	2006
6.	Gabriel Moagar Poladian	Medalia de Aur ARCA a Asociatiei Croate a Inventatorilor, 55th World Exhibition of Innovation, Research and New Technology, Bruxelles, Belgium; Titlul inventiei: <i>“Method and equipment for guided transmission of information through fluid media and/or plasma by using electromagnetic radiation”</i> ;	2006
7.	Gabriel Moagar Poladian	Cupa Federatiei Internationale a Asociatiilor de Inventatori, la the 10th Invention Fair INVENTIKA 2006, Bucharest, Romania; Titlul inventiei: <i>“Method and equipment for guided transmission of information through fluid media and/or plasma by using electromagnetic radiation”</i> ;	2006
8.	Gabriel Moagar Poladian	Medalie de Aur la the 10th Invention Fair INVENTIKA 2006, Bucharest, Romania; Titlul inventiei: <i>“Method and equipment for guided transmission of information through fluid media and/or plasma by using electromagnetic radiation”</i> ;	2006
9.	Gabriel Moagar Poladian Victor Moagăr-Poladian	Medalie de Argint la 33rd International Exhibition of Inventions, New Techniques and Products, Geneva, Switzerland; Titlul inventiei: <i>“Structure for the thermal management of integrated circuits and Microsystems”</i> ;	2005
10.	Alina Ciuciumis	Premiul III – Sectiunea Tineri, Simpozion MATNANTECH – FINAMAT, iunie 2005, Jupiter, Romania; “Tehnologii avansate de obtinere a nanomaterialelor cu proprietati controlate pentru finisarea compozitelor ligno-celulozice”;	2005
11.	I.Cernica, E.Manea, I.Dinoiu	Medalie de argint la 33-lea Salon Internațional al Invențiilor, Tehnicilor și Produselor Noi, Geneva, Elveția; Titlul inventiei: <i>„Micromatrice fotodetectoare și procedeu de realizare a acestuia”</i> ;	2005
12.	Manea Elena, Cernica Ileana, Viorica, Dumbrăvescu Nicolae, Ioana Dinoiu	Medalie de aur pentru Special award from the Governor of Ivanovo region of Russian Federation la “Al 54-lea Salon Mondial al Inovării, Cercetării și Noilor Tehnologii – EUREKA, 2005 Bruxelles, Belgia; Titlul inventiei: <i>“In the field of high technologies”</i> ;	2005
13.	Manea Elena, Cernica Ileana, Viorica, Dumbrăvescu Nicolae	CUPA pentru Special award from the Governor of Ivanovo region of Russian Federation pentru <i>“In the field of high technologies”</i> la al 54-lea Salon Mondial al Inovării, Cercetării și Noilor Tehnologii – EUREKA, 16 – 20 Noiembrie 2005, Bruxelles, Belgia, lucrare selectata de catre Ministerul Educatiei si Cercetarii, sa participe la al 2-lea Salon „Expozitia Cecetarea si Inovarea” de la Paris, 8-11 iunie 2006, p. 287 European Research & Innovation Exhibition Directory;	2005
14.	Elena Manea	Merite de l’invention, diplomă și ordinul de Cavaler, Bruxelles, Belgia (pentru intreaga activitate de cercetare)	2004
15.	Elena Manea, C.Podaru, I.Cernica, A.Ciuciumis, C.Moldovan	Medalie de argint la “Al 53-lea Salon Mondial al Inovării, Cercetării și Noilor Tehnologii – EUREKA., Bruxelles, Belgia Titlul inventiei: <i>“Procedeu de realizare a retelelor matriciale de microalveole pe substrat de sticla borosilicata prin corodare umeda”</i> ;	2004
16.	Gabriel Moagăr Poladian	Medalie de Argint la the 51th World Exhibition of Innovation, Research and New Technology, Bruxelles, Belgium; Titlul inventiei: <i>“Antireflective Structure for Electromagnetic Radiation”</i> ;	2002
17.	Alexandru Muller	The Descartes Prize 2002 of the EC, 2002, Munich, Germany, for the <i>“Micromachined Circuits for Microwave and Millimeter</i>	2002

		Wave applications (MEMSWAVE)” Project, one of the ten finalist projects;	
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6.4. Premii naționale ale Academiei Romane	punctaj
Număr de premii: 1 x 20	20

Nr. crt.	Nume	Premiul	Anul
1.	Alexandru Muller	Romanian Academy Prize “Tudor Tanasescu” for “Micromachined circuits for microwave and millimeter wave applications – MEMSWAVE”	2002

6.5. Conducatori de doctorat, membri ai unității de cercetare	punctaj
Număr de conducatori de doctorat: 1 x 10	10
Nr. crt. Nume 1. Acad. Dan Dascalu	

6.6. Număr de doctori în știința, membri ai unității de cercetare	punctaj
Număr de doctori în știința: 23,15 x 10	231.5

An	2002	2003	2004	2005	2006	2007
Nr de doctori	15	19	22	23	27	28

Nr. mediu de doctori: $(15 \cdot 3/12 + 19 + 22 + 23 + 27 + 28 \cdot 9/12) / 5 = 23.15$

Total punctaj cap. 6: 1820+180+340+20+10+231.5	2601.5
Total punctaj cap. 4+5+6: 6579.545+ 5220 +2601.5	14401.05

7. Venituri realizate prin contracte de cercetare in domeniul pentru care se face evaluarea (in perioada pentru care se face evaluarea) (2002-2007):

7.1 Numarul si valoarea contractelor de cercetare internationale finantate din fonduri publice:

2002			2003			2004		
Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur
2	94.610	27.093	2	136.758	33.866	8	901.996	226.801

2005			2006			2007		
Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur
12	1.270.323	347.673	15	1.656.989	481.432	18	1.540.133	481.291

7.2 Numarul si valoarea contractelor de cercetare internationale finantate din fonduri private:

2002			2003			2004		
Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur
						1	293.404	70.640

2005			2006			2007		
Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur	Nr.	Val in lei	Val in Eur
						1	64.000	20.000

7.3 Numarul si valoarea contractelor de cercetare nationale finantate din fonduri publice:

	2002		2003		2004	
	Numar	Val in lei	Numar	Val in lei	Numar	Val in lei
Total PNCDI	50	1.594.668	67	3.974.040	80	5.258.985
Orizont 2000/Nucleu	14	1.320.920	11	925.697	11	1.232.450
Grant	6	30.000				
Infratech					2	280.000
Ceex						
Securitate						
Corint						
Alte Pr	2	25.965	8	96.875	4	39.778
Total PN II	0	0	0	0	0	0
Total	72	2.971.553	86	4.996.612	97	6.811.213

	2005		2006		2007	
	Numar	Val in lei	Numar	Val in lei	Numar	Val in lei
Total PNCDI	52	4.352.966	27	2.304.742	0	0
Orizont 2000/Nucleu	19	1.538.700	21	2.561.000	23	4.869.100
Grant	1	24.000	2	124.000	4	324.000
Infratech	2	1.307.600	2	268.000	4	367.000
Ceex	24	3.068.661	49	9.718.265	58	10.803.575
Securitate	2	30.000	3	403.000		

Corint			3	262.905	3	286.148
Alte Pr	4	34.807	3	33.653	1	4.305
Total PN II	0	0	0	0	36	2.957.607
Total	104	10.356.734	110	15.675.565	129	19.611.735

7.4 Numarul si valoarea contractelor de cercetare nationale finantate din fonduri private:

	2002		2003		2004	
	Numar	Val in lei	Numar	Val in lei	Numar	Val in lei
Fonduri private	3	30.654	2	4.831		
Total	3	30.654	2	4.831	0	0

	2005		2006		2007	
	Numar	Val in lei	Numar	Val in lei	Numar	Val in lei
Fonduri private						
Total					0	0

7.5 Alte surse:

2002	2003	2004	2005	2006	2007
450.000	120.000	140.000	0	2.043.190	2.400.000

7.bis Venituri realizate din activitati economice:

2002	2003	2004	2005	2006	2007
116.556	286.693	372.224	1.270.893	1.234.913	1.513.624

8. Resursa umana de cercetare

Anul	2002 nov.- dec.	2003	2004	2005	2006	2007
Total personal de cercetare care realizeaza venituri din activitatea de cercetare-dezvoltare / din care doctori in stiinta:	92/15	92/19	92/22	93/23	98/27	104/28
8.1.1 Cercetatori stiintifici gradul 1 / din care doctori in stiinta:	11/11	11/11	9/9	10/10	11/11	16/16
8.1.2 Cercetatori stiintifici gradul 2/ din care doctori in stiinta:	13/4	14/7	14/8	14/8	14/9	10/5
8.1.3 Cercetatori stiintifici gradul 3 (lectori) / din care doctori in stiinta:	9/-	7/-	11/1	19/2	20/4	23/4
8.1.4 Cercetatori stiintifici / din care doctori in stiinta:	13/-	14/1	15/4	9/3	13/3	10/2
8.1.5 Inginer de dezvoltare tehnologica gradul 1/ din care doctori in stiinta:	-	-	-	-	-	1/1
8.1.6 a Asistenti de cercetare absolventi master	3	6	7	5	6	4
Total personal de cercetare atestat (8.1.18.1.1.6 a)	49	52	56	57	64	64
8.1.6 b Asistenti de cercetare fara master	15	14	5	5	6	7
8.1.7 Total personal auxiliar de cercetare angajat din care doctori in stiinta:	28	26	31	31	28	33

Numar mediu de personal de cercetare atestat: $(49 \cdot 3/10 + 52 + 56 + 57 + 64 + 64 \cdot 9/12)/5 = 58.34$

8.2 Date privind perfectionarea resursei umane

- 8.2.1 Numar de doctoranzi si masteranzi care lucreaza in unitatea de cercetare-dezvoltare la data completarii formularului: 18
- 8.2.2 Numar de teze de doctorat realizate in unitatea de cercetare-dezvoltare in perioada pentru care se face evaluarea: 6

9. Infrastructura de cercetare-dezvoltare

9.1. Laboratoare de cercetare-dezvoltare:

Departamentul de cercetare multidisciplinara

- Laboratorul de nanotehnologii
- Laboratorul de cercetare microstructuri pentru aplicatii bio-medicale si de mediu
- Laboratorul de microfotonica
- Laboratorul de cercetare microstructuri, dispozitive si circuite de microunde

Departamentul de servicii stiintifice

- Laboratorul de simulare si proiectare asistata de calculator
- Laboratorul de caracterizare microfizica
- Laboratorul de fiabilitate
- Atelierul de servicii informatice

Departamentul de servicii si dezvoltare tehnologica

- Atelierul de tehnologii pentru micro- si nanostructurare
- Atelierul de procesari masti
- Atelier de dezvoltare prototipuri
- Atelier de dezvoltare procese tehnologice

Departamentul pentru tehnologii convergente

- Compartimentul de formare/instruire multidisciplinara
- Compartimentul de cooperare stiintifica internationala in domeniul tehnologiilor micro-nano-bio-info
- Compartimentul de suport pentru participarea la programele si initiativele europene
- Compartimentul de comunicare electronica si baze de date

Informatii suplimentare se gasesc in Anexe (Raporte anuale)

Laboratoare in curs de acreditare

	Denumire laborator	Domeniul in care va fi acreditat
1	Laborator de caracterizare avansata a componentelor si circuitelor DE microunde si unde milimetrice (MICROLAB)	Incerari electrice Masurarea parametrilor S a circuitelor de microunde realizate pe plachete semiconductoare
2	Laborator de masurari si testari optice si optoelectricew. OPTOLAB	masuratori electrice si opto-electrice asupra dispozitivelor optoelectronice si fotonice efectuarea de teste fizico-chimice asupra straturilor de materiale depuse in straturi multiple si ultrasubtiri in scopul determinarii constantelor optice si a compozitiei.
2	Laborator de analize morfologice la scara nanometrica	Microscopie SEM si AFM
4	Laborator de evaluare a conformitatii produselor microtehnologiilor in acord cu cerintele Uniunii Europene – LIMIT	Masurari electrice

9.2. Lista echipamentelor performanțe achiziționate în ultimii 10 ani

	Anul fabricatiei	Valoarea	Sursa de finantare a investitiei
CORPORALE			
Statie de prod a apei ultrapure	2003	45,000	Buget stat fond 2001
Sistem climatizare Camera alba	2003	4,076	Contr. cercet.
Instalatie electrica de testare a siliciului	2004	40,960	Contr. cercet.
Masina dubla aliniere	2004	284,669	Contr. cercet.
Instalatie pt asigurarea microclimatului in cond de flux laminar si	2004	120,000	Buget stat

controlul parametrilor de temperatura, umiditate, presiune si viteza aerului			fond 2003
Analizor de transmisiune pr telecomunicatii	2004	57,633	Contr. cercet.
Instalatie neutralizare ape reziduale	2004	29,580	Contr. cercet.
Prober pt verificare structuri pe placheta	2004	48,734	Contr. cercet.
Dispozitiv prindere masti	2004	22,704	Contr. cercet.
Instrument electronic de masura si achizitie date	2004	7,798	Contr. cercet.
Server IMB	2004	9,227	Contr. cercet.
Radiometru / Fotometru	2004	9,800	Contr. cercet.
Luxmetru	2004	5,377	Contr. cercet.
Picoampermetru	2004	25,422	Contr. cercet.
Accesorii echipamente de masura	2004	8,742	Contr. cercet.
Canon 10D Digital Camera	2004	9,600	Contr. cercet.
Sistem calcul 1PIV 3.0	2004	4,210	Contr. cercet.
Tracelab 50	2005	66,508	Contr. cercet.
Spinner Delta 10TT	2005	29,013	Contr. cercet.
Etuva Binder ED 53, fara interfata	2005	3,478	Contr. cercet.
Baie ultrasonica cu incinta din teflon rez.la acizi	2005	13,857	Buget stat fond 2004
Baie ultrasonica cu incinta din teflon rez.la acizi	2005	13,857	Buget stat fond 2004
Baie ultrasonica cu incinta din teflon rez.la acizi	2005	13,857	Buget stat fond 2004
Baie ultrasonica cu incinta din teflon rez.la acizi	2005	13,857	Buget stat fond 2004
Baie de apa din poliacrilic	2005	9,570	Buget stat fond 2004
Baie de apa din poliacrilic	2005	9,570	Buget stat fond 2004
Nisa chimica pt absorbtia emanatiilor toxice	2005	24,131	Buget stat fond 2004
Nisa chimica pt absorbtia emanatiilor toxice	2005	24,131	Buget stat fond 2004
Hota microbiologica cu laminar vertical	2005	17,172	Buget stat fond 2004
Incubator programabil BP 400	2005	8,191	Contr. cercet.
Echipament RIE Plasma	2005	481,871	Contr. cercet.
Unitate de control detectori si pupitrul operatorului pentru SEMVEGA II LMU	2005	142,172	Contr. cercet.
Partea electronica si sistem video pt.SEMVAGA II LMU	2005	142,537	Contr. cercet.
Coloana electronica. Camera probe si carcasa pentru microscop electronic VEGA II LMU	2005	144,365	Contr. cercet.
Hardware dedicate pentru generare masti litografice	2005	133,203	Contr. cercet.
Server IBMxSeries 226(monitorSamsung,tastatura,etc)	2005	9,910	Contr. cercet.
Server IBMxSeries 226(monitorSamsung,tastatura,etc)	2005	9,910	Contr. cercet.
Server IBMxSeries 226(monitorSamsung,tastatura,etc)	2005	9,910	Contr. cercet.
Osciloscop digita l cu 2 canale	2005	18,300	Contr. cercet.
Sistem testare pe placheta cu termostat	2005	9,076	Contr. cercet.
Microscop+camera digitala	2005	74,451	Contr. cercet.
Sistem fluorescent pt. microscop	2005	21,686	Contr. cercet.
Microscop optic "WILD"	2005	2,185	Contr. cercet.
Server IBM	2005	15,735	Contr. cercet.
Autoturism Dacia LOGAN	2005	23,802	leasing
Dacia Logan R90 Laureate	2005	33,489	leasing
Videoproiector L1805A	2005	8,523	Contr. cercet.
Elipsometru + accesorii	2006	253,200	Contr. cercet.
Modul filtrant cu ventilator tip FFU Mac 10	2006	128,100	Contr. cercet.

Modul Microspot pt Elipsometru	2006	15,871	Contr. cercet.
Statie comanda plother cu software2020A000-00	2006	67,077	Contr. cercet.
Echipament electronic	2006	142,923	Contr. cercet.
Echipament de analiza proprietatii biologice	2006	40,000	Contr. cercet.
Plother+Scanner	2006	106,995	Contr. cercet.
Sistem purificare apa Centrar 200 cu filtru final si kit cu configuratie completa	2006	69,421	Contr. cercet.
Instalatie de depunere LPCVD	2006	551,919	Contr. cercet.
Instalatie de stocare si distributie azot	2006	68,000	Contr. cercet.
Instalatie de depunere de filme metalice subtiri tip SPI 12157EQAX	2006	39,549	Contr. cercet.
Microscop Metalografic ME 2665 cu accesorii	2006	11,613	Contr. cercet.
Microscop cu electronica de caracterizare	2006	12,300	Contr. cercet.
Modul hota chimica	2006	5,462	Contr. cercet.
Numarator de particule	2006	3,109	Contr. cercet.
Server IBM	2006	22,156	Contr. cercet.
Sistem de caracterizare electrica a dispozitivelor cu semiconductoare convent si a microsistemelor	2007	377,635	Contr. cercet.
Analizor de retea vectorial ANRITSU Lightning 37397D+modul intern extensie 3700/15V	2007	398,689	Contr. cercet.
Echipament de masurare pe placheta	2007	240,092	Contr. cercet.
Instrument de masura puncte LRC	2007	11,889	Contr. cercet.
Spectrometru Tensor 27	2007	81,172	Contr. cercet.
Spectrometru RAMAN, LabRAM HR vizibil	2007	274,488	Contr. cercet.
Sursa Laser Acordabila	2007	46,449	Contr. cercet.
Aparat pt litografie-modul pt.instalatie de nanolitografie	2007	208,234	Buget stat fond 2006
Aparat pentru litografie-masa laser interferometrica pt.echipament de nanolitografie	2007	499,705	Contr. cercet.
Aparat pentru litografie-Coloana electronica si suport plachete 4 inch pt.echipament de litografie	2007	172,492	Contr. cercet.
Aparat pentru litografie-cabinet pentru masina de litografie cu fascicol de electroni	2007	141,882	Contr. cercet.
Hota chimica	2007	60,748	Contr. cercet.
Digitizor PCI-5112,100MHz,16MB per channel	2007	8,616	Contr. cercet.
Kit PXI PCIe8361,3m	2007	3,736	Contr. cercet.
Sasiu PXI-1036 6 Sloturi	2007	4,111	Contr. cercet.
Microscop cu sonda de Baleaj(SPM)	2007	594,961	Contr. cercet.
Purificator de aer	2007	4,296	Contr. cercet.
Generator de functii arbitrare AFG3102	2007	13,728	Contr. cercet.
Echipament pentru masurari electrice in temperatura (Temptronic)	2007	118,029	Contr. cercet.
Accesorii la sistem de caracterizare electrica	2007	8,974	Contr. cercet.
Camera de clima	2007	47,016	Contr. cercet.
Balanta analitica	2007	4,714	Contr. cercet.
Etuva cu ventilatie fortata	2007	3,696	Contr. cercet.
Accesorii pt. spectrometru Raman LabRAM HP Visible	2007	71,092	Contr. cercet.
Modul XY pt. spectrometru Raman Lab HP	2007	58,341	Contr. cercet.
Masa optica	2007	13,012	Contr. cercet.
Sistem de caracterizare si analiza a parametrilor componentelor optoelectronice, cu software incorporat, interfata pt. achizitii de date si PC impreuna cu module si accesorii	2007	82,016	Contr. cercet.
Sistem mapare XY elipsometru	2007	59,561	Contr. cercet.
Coloana electronica si suport plachete 4 inch pt echipament de Litografie	2007	172,492	Contr. cercet.
Spalator gaze	2007	63,813	Contr. cercet.
Prober tip PR 53 cu accesorii	2007	3,362	Contr. cercet.

Instrument de masura a puterii PM122	2007	4,230	Contr. cercet.
Nanopozitioner pt lant de masura fonic MAX 313/M	2007	4,521	Contr. cercet.
Nanopozitioner (Aparat pt pozitionare nanometrica)	2007	4,521	Contr. cercet.
Masa optica 2000x1000x210mm PTM51504	2007	6,376	Contr. cercet.
Set de patru suportii cu izolare pasiva pt masa optica PTP503 Thorlabs GmbH	2007	6,020	Contr. cercet.
Spiner	2007	15,225	Contr. cercet.
Power Metru Anritsu cu accesorii	2007	43,534	Contr. cercet.
Server DELL Precision 490 N-Series Quad Core Intel	2007	7,521	Contr. cercet.
Suportii pt masa optica	2007	6,675	Contr. cercet.
Cap de masura PH 250 HF+Adaptor prindere magnetica pt cap de masura PH250HF+Picoprobe 67A/Spec+Substrat calibrare tip CS-5	2007	25,696	Contr. cercet.
Sistem de analiza in raspuns a frecventei FRA/VERSASTAT3	2007	15,921	Contr. cercet.
Sistem complet de voltmetrie DC si coroziune	2007	16,084	Contr. cercet.
Echipament A/C Fujitsu	2007	3,667	Contr. cercet.
Agitator Magnetic cu senzor de temperatura	2007	3,325	Contr. cercet.
NECORPORALE			
Soft pt modelare – simulare – proiectare	2000	146,721	Buget stat fond 2000
Soft pt simulare electronica tridimensionala	2000	42,500	Buget stat fond 2000
Up-grade la OPTIFDTD software	2004	8,954	Contr. cercet.
Soft SPIP	2004	12,601	Contr. cercet.
Pachet Software Matlab 7.0	2005	9,573	Contr. cercet.
Soft de simulare fotonica OptiBPM	2005	18,501	Contr. cercet.
Soft de simulare fotonica OptiGrating	2005	10,520	Contr. cercet.
Soft de simulare fotonica OptiGrating	2005	19,002	Contr. cercet.
Soft Elipsometru	2006	50,640	Contr. cercet.
Soft pt modul editor al PG ELPHY plus,holder probe si kit de start pentru PG ELPHY	2006	54,091	Contr. cercet.
Software pt PG sistem litografic ELPHY plus	2006	138,882	Contr. cercet.
Soft pt Statie comanda	2006	13,275	Contr. cercet.
Modules (Designer;Analyzer)	2006	29,744	Contr. cercet.
Soft (IE3D for Windows NT/95, Powerpack (MM060)	2006	11,204	Contr. cercet.
Soft (IE3D for Windows NT/95, Powerpack (MM060)	2006	11,204	Contr. cercet.
Software de proiectare laser cu semiconductor Lasermod	2006	22,429	Contr. cercet.
Pachet software 3D Lith	2006	29,864	Contr. cercet.
Windows XP Prof English Intl non EU/EFTA CD w/SP2+Office Pro 2003 Engl OLP NL	2006	2,267	Contr. cercet.
Soft achizitie imagini	2006	4,551	Contr. cercet.
Soft procesare imagini	2006	3,485	Contr. cercet.
Modul de procesare+upgrade pt.programul de procesare imagini AFM SPIP	2006	4,821	Contr. cercet.
Software realizare masti CleWin	2006	5,208	Contr. cercet.
SO Win XP Prof OEM+NAV 2007 in 3USR+Office Pro 2003 win 32 English OLP NL	2007	2,257	Contr. cercet.
Test Point Enterprise, Ver.7.0	2007	6,727	Contr. cercet.
Soft pt.spectrometru Raman LabRAM HP Visible	2007	32,974	Contr. cercet.
(1) Mantenanta software IE3D cheiaSN:120242000+ (2) Mantenanta software IE3D cheia SN:031282006	2007	4,333	Contr. cercet.
Windows XP Professional OEM+CUPON VISTA+Office Pro 2007 Win 32 English	2007	2,079	Contr. cercet.
Software V3 Studio	2007	14,946	Contr. cercet.
Software COMSOL Multiphysics 3.3-versiune academica	2007	29,341	Contr. cercet.
Program ANSYS Multiphysics	2007	234,304	Contr. cercet.

Lista lucrărilor științifice publicate în reviste de specialitate cotate ISI

2002 (octombrie- decembrie)

Nr.crt	Articol	Factor de Impact
1.	D. Dragoman, M. Dragoman, K.-H. Brenner, "Amplitude and phase recovery of rotationally symmetric beams", "Applied Optics" 2002, vol.41, pp.5512-5518	1,515
2.	D. Dragoman, M. Dragoman, K.-H. Brenner, "Tomographic amplitude and phase recovery of vertical-cavity surface-emitting lasers using the ambiguity function", "Optoelectronics Letters" 2002, vol.27, pp.1519-1521	3,511
3.	G. Moagăr-Poladian, M. Bulinski, "Reconfigurable Optical Neuron Based on the Transverse Pockels Effect", "Journal of Optoelectronics and Advanced Materials" vol.4, no.4, (2002), p. 929 – 936 (<i>December</i>)	0,446
4.	M. Crisan, A. Jitianu, M. Gartner, D. Crisan, C. Savaniu, R. Gavrilă, M. Zaharescu, "Nanostructured and multilayered Al ₂ O ₃ thin films obtained by Sol-Gel method", "Key Engineering Materials" vol. 206-213 (2002), pp.575-578	0,497
5.	C. Anton, M. Muntean, C. Barsan, R. Gavrilă, I. Anton, M. Danila "The Direct Bonding of Metals to Ceramics for the Manufactured Microwave Packages", Key Engineering Materials , vols: 206-213, pp.515-518	0,497
6.	Alexandrova, S, Szekeres, A, Halova, E, Modreanu, M, "LPCVD-silicon oxynitride films: low-temperature annealing effects", "VACUUM" , 69 (1-3), pp. 385-389, 2002 (<i>December</i>)	0,723
Factor impact cumulativ 2002 (oct.-dec.)		7,189

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Nr.crt	Articol	Factor de Impact
7.	A. Dima, O. Dima, C. Moldovan, C. Cobianu, C Savaniu, M. Zaharescu, "Substrate influence on the response of sol-gel derived SnO ₂ gas-sensors", " Thin Solid Films " 427, 2003, 427-431	1,598
8.	A.Jitianu, Mariuca Gartner, Maria Zaharescu, Dana Cristea, Elena Manea, "Experiments for Inorganic-Organic Hybrid Sol-Gel Films for Micro and Nano-Photonics", " Materials Science and Engineering C 23 " (2003) 301-306M	1,122
9.	Carmen Moldovan, Lavinia Hinescu, Mihail Hinescu, Rodica Iosub, M. Nisulescu, B. Firtat, Silicon "Micromachined sensors for gas detection", " Material Science and Engineering ", B101, 2003, 227-231	1,07
10.	D. Dragoman, M. Dragoman, "Biased micromechanical cantilever arrays as optical image memory", " Applied Optics " 2003, Vol. 13, pp 353 –358	1,534
11.	D. Dragoman, M. Dragoman, "Carbon nanotube zoom lenses", " IEEE Transaction Nanotechnology " 2003, vol.2, pp.93-96	2,088
12.	D. Dragoman, M. Dragoman, "Reconfigurable electro-optical waveguide for optical processing", " Applied Optics " 2003, vol.42, pp.6439-6444	1,534
13.	D. Dragoman, M. Dragoman, "Single chip device for tunneling time measurements", " Journal of Applied Physics " 2003, vol.93, pp.6133-6136	2,171
14.	D.Dragoman, M. Dragoman, "Tunable fractional Fourier transformer for ballistic electrons", " Journal of Applied Physics " 2003, vol.94, pp.4131-4134	2,171
15.	G Konstantinidis, D Neculoiu, D Vasilache M Lagadas, G Deligeorgis, and A.Muller, "GaAs membrane supported millimeter wave receiver structures", " Journal of Micromechanics and Microengineering " 2003, vol.42, pp.1515-1519	1,699
16.	G. Bartolucci, D. Neculoiu, M. Dragoman, A. Muller, "Moddeling, design and realization of micromachined millimetre – wave band – pass filters", " INTERNATIONAL JOURNAL CIRC. THEORY APPLICATIONS " 2003, Vol 31, pp. 529 – 539	0,971
17.	Ionica, M, "Experience in the assembly of the large area silicon tracker for the AMS experiment", " Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment ", 513 (1-2), pp. 222-225, 2003	1,166
18.	M. Gartner, M. Crisan, A. Jitianu, R. Scurtu, R. Gavrilă, I. Oprea, M. Zaharescu, "Spectroellipsometric characterization of multilayer Sol-Gel Fe ₂ O ₃ films", " Journal of Sol-Gel Science and Technology " 26 (2003), 745–748	1,546
19.	M. Bulinski, D. Cristea, C. Plapcianu, H. Franke, F.E. Wagner, G.Filoti – "Optical and Electical Properties of Metal Doped Polymers for integrated Optics", " Journal of Optoelectronics and Advanced Materials 5 " (2003), pp.331-335	0,996
20.	Modreanu, M. Gartner, E. Aperathitis, N. Tomozeiud, M. Androulidaki, D. Cristea, Paul Hurley, "Investigation on preparation and physical properties of nanocrystalline	0,93

	Si/SiO ₂ superlattices for Si-based light-emitting devices”, “ Physica E: Low-dimensional Systems and Nanostructures ”, vol 16/3-4 pp 461 – 466, 2003	
21.	Moldovan, C, Hinescu, L, Hinescu, M, Iosub, R, Nisulescu, M, Firtat, B, Modreanu, M, Dascalu, D, Voicu, V, Tarabasanu, C, “Silicon micromachined sensor for gas detection”, “ Materials Science And Engineering B-Solid State Materials For Advanced Technology ”, 101 (1-3), pp. 227-231, 2003.	1,07
22.	Nuttall, KI, Buiu, O, Obreja, VVN, “Surface leakage current related failure of power silicon devices operated at high junction temperature”, „ Microelectronics Reliability ”, 43 (9-11), pp. 1913-1918, 2003	0,647
23.	Vasilco, R, Popescu, A, Chiurtu, R, Dascalu, D, “The architecture of living structures - A possible basis for molecular computing”, “ Membrane Computing. Lecture Notes In Computer Science ”, 2597, pp. 410-421, 2003.	0,513
	Factor impact cumulat 2003	22,826

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Nr.crt	Articol	Factor de Impact
24.	D. Dragoman, M. Dragoman, "Terahertz Fields and Applications", " Progress In Quantum Electronics " 2004, Vol. 28, pp.1-66	3,615
25.	D. Dragoman, M. Dragoman, „Terahertz Oscillations in Semiconducting Carbon Nanotube Resonant-Tunneling Diodes”, „ PHYSICA E " 2004, Vol. 24 pp.282-289	0,898
26.	D. Dragoman, M. Dragoman, "Time-Frequency Signal Processing of Terahertz Pulses", " Applied Optics " 2004, Vol. 43, pp.3848-3853	1,799
27.	D. Neculoiu, G. Bartolucci, P. Pons, L. Bary, D. Vasilache, A. Muller, R. Plana, „Compact Membrane-Supported Bandpass Filter for Millimetre-wave Applications”, „ ELECTRONICS LETTERS " 2004, Vol. 40, No. 3, pp. 180-182	0,968
28.	D. Neculoiu, P. Pons, M. Saadaoui, L. Bary, D. Vasilache, K. Grenier, D. Dubuc, A. Muller, R. Plana, „Membrane Supported Yagi_Uda Antennae for Millimetre-Wave Applications”, „ IEE PROC. MICROW. ANTENNAS PROPAG ", 2004, Vol. 151, No. 4, pp.311-314	0,400
29.	D.Cristea, M. Kusko, C. Tibeica, Raluca Muller, Elena Manea and D. Syvridis, "Design and experiments for tunable optical sensor fabrication using (1 1 1)-oriented silicon micromachining" " Sensors and Actuators ", A: Physical 113/3 (2004) pp. 312-318	1,462
30.	Demetrescu, I, Popescu, B, Ionita, D, Rau, I, Gavrilă, R, „Electrochemical behavior of Ti and TiAlV in Tani-Zucchi artificial saliva", „ Molecular crystals and liquid crystals ", 418, pp. pp. 271/[999]-284/[1012], 2004	0,529
31.	G. Moagăr-Poladian, "Spatial Light Modulators Based on Structures Containing Photoelectrets and Electro-optic Materials: Key Devices for Optical Computing", " Journal of Optical Technology " (English version of Russian Opticheskii Zhurnal), vol. 71, no. 7, (2004), p. 478 – 486	0,211
32.	Jean Jarigge, Cornel Anton, M. Muntean, Profiled etal-Ceramic Micropackages for Power Microwave Diodes, " Euroceramics " VIII- KEM 2004, pp 663 – 667	0,278
33.	M. Avram, "Deposition experiments of thin metallic multilayers with magnetoresistive properties", " Journal Of Optoelectronics And Advanced Materials ", 6 (3), pp. 987-990, 2004.	1,003
34.	M. Crisan, M. Gartner, L. Predoana, D. Crisan, R. Scurtu, R.Gavrilă and M. Zaharescu, "SiO ₂ -ZrO ₂ Sol-Gel Nanostructured Thin Films with Optical Properties", " Key Engineering Materials " vol. 264-268 (2004), pp.553-556	0,278
35.	M.Crisan, M.Gartner, L.Predoana, R.Scurtu, R.Gavrilă. M.Zaharescu, "Sol-Gel SiO ₂ -ZrO ₂ Coatings For Optical Applications", „ Journal of Sol-gel Science and Technology " 32, 167-172, 2004	1,150
36.	Maria Zaharescu, Maria Crisan, Luminita Predoana, Mariuca Gartner, Dana Cristea, Stefania Degeratu, Elena Manea "Hybrid Inorganic-Organic Sol-Gel Coatings in the SiO ₂ -TiO ₂ System", „ Journal Sol-Gel Science and Technology " 32 (2004), p.173-	1,150

37.	Marioara Avram, Otilia Neagoe, Cecilia Codreanu, Cornel Voitincu, Monica Simion, "Bipolar magnetic microsensors for longitudinal fields", „ Sensors and Actuators A ", 110(2004), pp.259-263	1,462
38.	Mihaila, MN, "Phonon-induced 1/f noise in MOS transistors", " Fluctuation And Noise Letters ", 4 (2), pp. L329-L343, 2004	0,650
39.	Monica Simion, Anca Angelescu, Irina Kleps, Mihaela Miu, Oana Nedelcu, Florea Craciunoiu, Teodora Ignat, Adina Bragaru, "Micro fluidic Biochip for Bio-medical Application" Special Issue of the Microelectronics Journal , (2004), pp. 34-37	0,483
40.	Nedelcu, S, Watson, JHP, "Size separation of DNA molecules by pulsed electric field dielectrophoresis", " Journal Of Physics D-Applied Physics ", 37 (15), pp. 2197-2204, 2004	1,642
41.	R. Marcelli, G. Sajin, A. Cismaru, F. Craciunoiu, „Band-Pass Magnetostatic Wave Resonators on Micromachined Silicon Substrate", „ Review Of Scientific Instruments " 2004, Vol. 75, No. 4, pp.1127-1133	1,226
42.	R. Marcelli, G. Sajin, A. Cismaru, F. Craciunoiu, „Band-Stop Magnetostatic Waves Micromachined Resonators", „ Applied Physics Letters " 2004, Vol. 84, No. 13,pp. 2445-2447	4,308
43.	R. Plugaru, A. Cremades and J. Piqueras, "Effect of annealing in different atmospheres on the luminescence of polycrystalline TiO ₂ ", " J. Phys.: Condens. Matter " 16, S261-S268 (2004)	2,049
	Factor impact cumulativ 2004	25,561

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Nr.crt	Articol	Factor de Impact
44.	Alpat, B, Ambrosi, G, Azzarello, P, Battiston, R, Bene, P, Bertucci, B, Bizzaglia, S, Bizzarri, M, Blasko, S, Bourquin, M, Bouvier, P, Burger, WJ, Capell, M, Cecchi, C, Chang, YH, Cortina, E, Dinu, N, Esposito, G, Flandrini, E, Haas, D, Hakobyan, H, Ionica, M, Ionica , R, Kounine, A, Koutsenko, V, Lebedev, A, Lechanoine-Leluc, C, Lin, CH, Masciocchi, F, Menichelli, M, Natale, S, Paniccina, M, Papi, A, Pauluzzi, M, Perrin, E, Pohl, M, Rapin, D, Richeux, JP, Wallraff, W, Willenbrock, M, Zuccon, P, „Charge determination of nuclei with the AMS-02 silicon tracker”, „ Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment ”, 540 (1), pp. 121-130, 2005	1,224
45.	C. Iliescu, M. Avram, Francis Tay, “Theoretical analysis and experiment of a novel DEP chip”, “ International Journal of Software Engineering and Knowledge Engineering ”, Vol.15, nr.2, pp. 231 - 239, 2005	0,508
46.	C. Ristoscu, C. Ducu, G. Socol, F. Craciunoiu, I.N. Mihailescu, „Structural and optical characterization of AlN films grown by pulsed laser deposition”, „ Appl. Surface Science ”, Vol.248, pp. 411-415, 2005	1,263
47.	D. Dragoman, M. Dragoman, „Terahertz continuous wave amplification in semiconductor carbon nanotubes”, „ Physica E ” 2005, vol.25, No.4, pp. 492-496	0,946
48.	D. Esinenco, S.D. Psoma, M. Kusko, A. Schneider, R. Muller, "SU-8 micro-biosensor based on Mach-Zehnder Interferometer", „ Rev. Adv. Material Sci 10 ” (2005), p. 295-299	1,019
49.	E. Manea, E. Budianu, M. Purica, D. Cristea, I. Cernica, R.Muller, "Optimization of front surface texturing processes for high efficiency silicon solar cells", „ Solar Energy Materials & Solar Cells ” vol.87, Issues 1-4, May 2005, pp. 423-431, ELSEVIER	2,002
50.	G. Bartolucci, D. Neculoiu, R. Marcelli, M. Dragoman, „Experimental characterization of 38 GHz micromachined GaAs receiver”, „ Electronics Letters ” 2005, Vol. 41,No.5, pp .256-257	1,016
51.	Halova, E, Alexandrova, S, Szekeres, A, Modreanu, M, „LPCVD-silicon oxynitride films: interface properties”, „ Microelectronics Reliability ”, 45 (5-6), pp. 982-985, 2005	0,724
52.	Ionica, M, Alpat, B, Ambrosi, G, Battiston, R, Bertucci, B, Burger, WJ, Caraffini, D, Cecchi, C, Dinu, N, Esposito, G, Fiandrini, E, Ionica, R, Menichelli, M, Pauluzzi, M, Zuccon, P, „Absorbed dose rate estimation for protons, leptons and helium observed with AMS01 experiment in low earth orbit during STS-91 mission”, „ Radiation Protection Dosimetry ”, 116 (1-4), pp. 216-219, 2005	0,490
53.	L.M. Yu, G.L. Xu, F.E. H. Tay, C. Iliescu, M. Avram, “Theoretical analysis and experiment research of a novel DEP chip with 3-D silicon electrodes”,	0,508

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7,189+22,826+25,561+19,161+49,929+55,243=179,909
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Lista brevetelor aprobate (2002-2006)

Nr. crt.	Titlul Brevetului	Autor Brevet	Nr. Brevet Acordat/data.
0	1	2	4
1.	Procedeu de realizare a unei retele de nano / micro electrozi utilizata ca electrod de lucru in masuratori de voltametrie ciclica.	I. Kleps	119032 /12. 2004
2.	Procedeu de realizare structuri micromecanice suspendate prin microprelucrarea siliciului cu orientarea <111>.	D. Cristea	119424/ 29.07. 2005
3	Senzor Hall integrat pe siliciu	M.Avram	3 – TCI din 15.03. 2005 -2015
4	Magnetotranzistor bipolar	M. Avram	4 – TCI din 15.03. 2005 -2015
5	Microconcentratoare optice pentru celule solare bazate pe microstructurarea de suprafata a substratului	E. Manea	5 – TCI din 09.05. 2005 - 31.12.2015
6	Microincalzitor cu retea distribuita de senzori pentru detectarea gradientilor de temperatura.	C. Codreanu	6-TCI din 09.06. 2005 - 31.12.2015
7	Procedeu de realizare a senzorului de camp magnetic bazat pe emisie in camp .	M. Avram	118499 /28.07. 2006
8	Procedeu de realizare a unui senzor cu fototranzistor cu efect de camp integrat cu ghid de unda.	D. Cristea	120514/30.10. 2006
9.	Procedeu de realizare a senzorului HALL .	M. Avram	120515/29.09.. 2006
10.	Procedeu de realizare a unui magnetotranzistorului magnetic.	M. Avram	120681/30.10. 2006
11	Microangrenaj cu roti dintate realizat prin tehnica straturilor de sacrificiu.	M.Avram	7- TCI din 21.08. 2006
12	Microsonda implantabila pt masuratori de bioimpedanta, in tehnologie MOS, cu straturi de DLC.	C.Moldovan	8- TCI din 25.10. 2006
13	Senzor amperometric detector de glucoza si procedeu de realizare a acestuia	C. Podaru	S-a emis hotararea 6/29.05. 2007 de atribuire brevet

Lista produselor, serviciilor și tehnologiilor

Nr crt	Proiect Contract Beneficiar	Rezultat	Luna
0	1	2	3
Anul 2002			
1.	Proiect: ACOUSTIC WAVES: Ceramic substrate with controlled piezoelectric properties for surface acoustic wave applications. Contract : Proiect NATO SfP 974130 Beneficiar: ROMES SA.	Metoda de obtinere straturi subtiri ceramice cu proprietati piezoelectrice controlate prin sputtering	Nov.
2.	Proiect: Substrate ceramice cu proprietati piezoelectrice controlate pentru aplicatii cu unde acustice de suprafata. Contract nr. 108/21.11.2001 Beneficiar: INCDIE ICPE-CA.	Model experimental de precursori si tinte pentru obtinerea straturilor subtiri ceramice.	Dec.
3.	Proiect: Sensor de gaze rezonator in tehnologie de microprelucrare de suprafata Contract RELANSIN 145/ 23.12.2000 Beneficiari: Microelectronica S.A si ROMES S.A	Prototip sensor de gaz	Dec.
4.	Proiect: Arie de micropelistori pentru detectia gazelor combustibile Contract MATNANTECH 89 (208)/19.09.2002 Beneficar: ROMES S.A.	Prototip micropelistor pentru gaze combustibile Certificat de omologare	Dec.
Anul 2003			
5.	Proiect: Dezvoltarea de tehnologii pentru senzori optici cu aplicatii in monitorizarea proceselor industriale si a mediului Contract RELANSIN nr 189/ 23.12.1999 Beneficiar: ROMES S.A.	Microsenzor optic pentru aplicatii industriale- MSO1 ➤ Standard de produs ➤ Buletin de incercari ➤ Produs omologat	Martie
6.	Proiect: Tehnologie de relizare a senzorilor de camp magnetic cu sensibilitate ridicata RELANSIN, S1, 2000 - 2003 Contractul RELANSIN nr.144/24.12.1999 Beneficiar: ROMES SA	Avizare tehnologică și transfer tehnologic pentru Tehnologie de relizare a senzorilor de camp magnetic cu sensibilitate ridicata (Brevet)	Apr.
7.	Proiect: Tehnologie de relizare a magnetotranzistorilor microprelucrați RELANSIN, S1, 2001 - 2003 Contractul RELANSIN nr.1258/18.01.2001 Beneficiar: ROMES SA	Avizare tehnologică și transfer tehnologic pentru Tehnologie de relizare a magnetotranzistorilor microprelucrați (Brevet)	Apr.
8.	Proiect: Dezvoltarea de tehnologii pentru senzori optici cu aplicatii in monitorizarea proceselor industriale si a mediului Contract RELANSIN nr 189/ 23.12.1999 Beneficiar: ROMES S.A.	Tehnologie pentru microsenzori optici integrati Tehnologie transferata la beneficiar	Apr.
9.	Proiect: Dezvoltarea de tehnologii pentru senzori optici cu aplicatii in monitorizarea proceselor industriale si a mediului Contract RELANSIN nr189/ 23.12.1999 Beneficiar: ROMES S.A.	Tehnologie pentru matrici de senzori optici compatibila cu procesele MOS si cu optica integrata Tehnologie transferata la beneficiar	Apr.
10.	Proiect: ACOUSTIC WAVES: Ceramic substrate with controlled piezoelectric properties for surface acoustic wave applications. Contract : Proiect NATO SfP 974130 Beneficiar: ROMES SA.	Method of ceramic thin layers spray coating.	Mai

11.	Proiect: Micromatrici fotodetectoare PIN pentru aplicatii in telecomunicatii prin fibre optice PNCDI1: RELANSIN, 2000 – 2003 Contract RELANSIN nr. 756/12.09.2000 Beneficiar: SC ROMES SA	Prototip Micromatrice fotodetector PIN pentru aplicatii in telecomunicatii prin fibra optica (Cerere Brevet)	Iulie
12.	Proiect: Micromatrici fotodetectoare PIN pentru aplicatii in telecomunicatii prin fibre optice PNCDI1: RELANSIN, 2000 – 2003 Contract RELANSIN nr. 756/12.09.2000 Beneficiar: SC ROMES SA	Lay-out micromatrice fotodetector PIN pentru aplicatii in telecomunicatii prin fibra optica	Iulie
13.	Proiect: Relee semiconductoare de putere pentru curent alternativ monofazic (10 -100A,12-550V) RELANSIN 2000 Contractul RELANSIN nr. 920/ 25.09.2000 si Act Aditional nr. 2 Beneficiar: SC ROMES SA	Relee semiconductoare de putere pentru curent alternativ monofazic (10 - 100A,12-550V) Certificare serie zero si introducerea in fabricatie Normativ	Sept.
14.	Proiect: ACOUSTIC WAVES: Ceramic substrate with controlled piezoelectric properties for surface acoustic wave applications. Contract : Proiect NATO SfP 974130 Beneficiar: ROMES SA.	Design of interdigital filter (lay-out) and technology for the manufacturing of the demonstrators.	Oct.
15.	Proiect prioritar: "Strategia de cercetare-dezvoltare in domeniile materiale noi, micro si nanotehnologii, in perspectiva integrarii in spatiul de cercetare european" Contract MATNANTECH nr. PP119/ 17.10.2003 Beneficiar: ANCS	Studiu prospectiv: "Evaluarea situatiei existente in tara, a tendintelor si a perspectivei de dezvoltare, pe termen mediu si lung, in domeniile materiale noi, micro si nanotehnologii, in perspectiva integrarii in spatiul de cercetare european"	Dec.
Anul 2004			
16.	Proiect: Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoare de putere Contract MATNANTECH nr. 6 / 10.11.2001 Beneficiar: SC ROMES SA	Punere in functiune la beneficiar: "Echipament de accelerare a generarii-recombinarii purtatorilor minoritari, pe nivele adanci, la structurile semiconductoare"	Feb.
17.	Proiect: Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoare de putere Contract MATNANTECH nr. 6 / 10.11.2001 Beneficiar: SC ROMES SA	Omologare tehnologie: "Tehnologie de selectie de fiabilitate a structurilor semiconductoare prin accelerarea optica a generarii-recombinarii pe nivele adanci"	Feb.
18.	Proiect prioritar: Strategie si plan de implementare: restructurarea industriei traditionale de componente electronice in contextual creat de dezvoltarea in europa a noii economii bazate pe cunoastere (studiu pentru platforma industrialal Baneasa) PNCDI 1: RELANSIN, (proiect prioritar), 2002-2004 Contract RELANSIN nr. 1632/18.09.2002 Beneficiar: ANCS	Studiu prospectiv: Strategie privind restructurarea industriei traditionale de componente electronice	Mai
19.	Proiect: "RF MEMS switch", laborator comun IMT-Samsung Advanced Institute for Technology (SAIT), februarie 2003 – mai 2004	Studiu tehnologic privind posibilitatea realizarii de comutatoare MEMS pentru frecvente in domeniul 0,8 – 5GHz	Mai
20.	Proiect: Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoare de putere" Contract MATNANTECH nr. 6 / 10.11.2001 Beneficiar: SC ROMES SA	Punere in fabricatie la beneficiar: "Tehnologie de selectie de fiabilitate a structurilor semiconductoare prin accelerarea optica a generarii-recombinarii pe nivele adanci"	Iunie

21.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004/PC6-IST Beneficiar: Comisia Europeana/ Cele 23 de institutii europene din retea / Partenerii industriali ai retelei	Baza de date cu echipamentele de caracterizare din retea	Oct.
22.	Proiect: Proiect prioritar: “Strategia de cercetare-dezvoltare in domeniile materiale noi, micro si nanotehnologii, in perspectiva integrarii in spatiul de cercetare european” Contract MATNANTECH nr. PP119/ 17.10.2003 Beneficiar: ANCS	Elaborarea strategiei de cercetare-dezvoltare in domeniile materiale noi, micro si nanotehnologii, in perspectiva integrarii in spatiul de cercetare european	Nov.
23.	Proiect: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura, PNCDI, program RELANSIN Contract 1969/ 2004 Beneficiar: SC Romes SA	ME Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura	Dec.
24.	Proiect: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigant PNCDI, program MATNANTECH. Contract 226 (409)/ 2004 Beneficiar: SC Romes SA	ME Tehnologie de realizare a microstructurilor si microangrenajelor cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigant	Dec.
25.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant "Fault Modelling and System Simulation of Flow-FETs" Beneficiar: Comisia Europeana,partenerii consorțiului	Metode de simulare pentru caracterizarea dispozitivelor FlowFET	Dec.
26.	Proiect: Tehnica avansata de caracterizare a dielectricilor utilizati in constructia microtrductoarelor capacitive Contract: MATNANTECH 93(208)/2004 Beneficiar: SC Romes SA	Tehnica de caracterizare-omologare si incercari de tip	Dec.
Anul 2005			
27.	Proiect: ACOUSTIC WAVES: Ceramic substrate with controlled piezoelectric properties for surface acoustic wave applications. Contract: Proiect NATO SfP 974130 Beneficiar: ROMES SA.	Transfer to industry. Market study. Exploring the applications.	Mai
28.	Proiect: Microstructuri si circuite fotonice integrate cu aplicatii in prelucrarea si transmisia informatiei Contract: MATNANTECH nr. 142(307) oct.2003 Beneficiari: ROMES S.A	Procedeu de realizare structuri micromecanice suspendate prin microprelucrarea siliciului cu orientarea <111>. Procedeu brevetat - brevet nr. 119424/29.07.2005	Iulie
29.	Proiect: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004 Beneficiar: ROMES SA	Model experimental Tehnologie de realizare nanostructuri magnetice cu magnetorezistenta gigant: tranzistor cu valva de spin (Brevet)	Sept.
30.	Proiect: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004 Beneficiar: ROMES SA	Realizare lay-out Definitivare și optimizare proiect măști pentru realizarea tranzistorului bipolar cu poarta izolata (Brevet)	Nov.
31.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Beneficiar: Comisia Europeana	Studiu tehnologic privind fiabilitatea dispozitivelor MEMS cu membrane in miscare	Dec.

Anul 2006			
32.	Proiect: Dispozitive semiconductoare comutabile prin efect de tiristor pentru absorbtia energiei supratensiunilor tranzitorii” MATNANTECH 2004 Contract Nr. 245(407)/12.10.2004 Beneficiar: SC ROMES SA	Experimentare, demonstrare si prezentare model functional realizat. Caiet de sarcini si fisa produs preliminar.	Iunie
33.	Proiect: Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate Contract MATNANTECH, nr. 246 (407)/ 25.10.2004 Beneficiar: SC ROMES SA	Transferul tehnologic pentru punerea in fabricatie a prototipului: „Biosenzor pentru detectia unor xenobiotice (diuron) in efluentii instalatiilor biologice de epurare a apelor uzate”	Iunie
34.	Proiect: Tehnologie incapsulare pentru senzori de presiune Contract Infratech: 302/01.06.2006 Durata contractului: 01.06.2006-30.06.2007 Beneficiar: Sitex 45 S.A.	Procedura de incapsulare senzori presiune	Iunie
35.	Tehnici de microstructurare de volum pentru MEMS – TT Contract Infratech:nr. 303 - 01.06.2006 Beneficiar : ROMES SA	Tehnici de microstructurare de volum pentru MEMS – TT	Iunie
36.	Proiect: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004 Beneficiar: SC ROMES SA	Demonstrator Tranzistori bipolari cu poarta izolata integrati pe carbura de siliciu pentru aplicatii speciale de putere si temperatura (Brevet)	Sept.
37.	Proiect: Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate Contract MATNANTECH, nr. 246 (407)/ 25.10.2004 Beneficiar: SC ROMES SA	Produs omologat: „Biosenzor pentru detectia unor xenobiotice (diuron) in efluentii instalatiilor biologice de epurare a apelor uzate”	Sept.
38.	Proiect: Tehnologii de realizare a tastaturii membrana tip flat panel cu geometrie adaptabila Contract RELANSIN nr. 2134/28.09.2004 Beneficiar: FELIX-IT	Prototip de tastatura membrana tip flat panel cu geometrie adaptabila	Oct.
39.	Proiect: Tehnologii avansate de obtinere a nanomaterialelor cu proprietati controlate pentru finisarea compozitelor lignocelulozice PNCDI 1: MATNANTECH, S1, 2004-2006 Contract MATNANTECH nr 185(401)/ 25.10.2004 Beneficiar: INL Bucuresti	Model experimental: Tehnologii de realizare finisarii compozitelor lignocelulozice utilizand nanomaterialelor cu proprietati controlate	Oct.
40.	Proiect: Tehnologii de realizare a micromatricilor semiconductoare cu emisie de lumina alba pentru aplicatii in sistemele de iluminat. PNCDI 1: MATNANTECH, S7, 2004-2006 Contract MATNANTECH nr. 241 (407) / 25.10.2004 Beneficiar: SC ROMES SA	Demonstrator: Tehnologie de realizare a granatului de itriu si aluminiu dopat cu ceriu pentru obtinerea LED-urilor albe	Oct.
41.	Proiect: Tehnologii de realizare a micromatricilor semiconductoare cu emisie de lumina alba pentru aplicatii in sistemele de iluminat. PNCDI 1: MATNANTECH, S7, 2004-2006 Contract MATNANTECH nr. 241 (407) / 25.10.2004 Beneficiar: SC ROMES SA	Demonstrator: Tehnologii pentru realizarea micromatricilor semiconductoare cu emisie de lumina alba	Oct.
42.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004/PC6-IST Beneficiar: Comisia Europeana/ Cele 23 de institutii europene din retea / Partenerii industriali ai retelei	Studiu tehnologic privind incercarile de fiabilitate accelerate la MEMS	Dec.

Anul 2007			
43.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004/PC6-IST Beneficiar: Comisia Europeana/ Cele 23 de institutii europene din retea / Partenerii industriali ai retelei	Brevet “Procedeu de incercare mecanica complexa a dispozitivelor MEMS”	Mai
44.	AMICOM, Retea de Excelenta (NoE)FP6/IST Contract 507532 Beneficiar: Comisia Europeana	Sistem de identificare in unde milimetrice	Mai
45.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004/PC6-IST Beneficiar: Comisia Europeana/ Cele 23 de institutii europene din retea / Partenerii industriali ai retelei	Brevet “Banc de incercare mecano-climatica complexa a microsistemelor”	Mai
46.	Proiect: Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate Contract MATNANTECH, nr. 246 (407)/ 25.10.2004 Beneficiar: SC ROMES SA	Brevet “Micro-biosenzor pentru detectia diuronului, bazat pe inhibitia procesului de fotosinteza la cianobacterii”	Mai
47.	Proiect: Proiect PA: “Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate” Contract MATNANTECH, nr. 246 (407)/ 25.10.2004 Beneficiar: SC ROMES SA	Brevet “Sistem constructiv pentru realizarea de micro-biosenzori bazati pe inhibitia procesului de fotosinteza la microorganisme”	Mai
48.	Proiect: Tehnologie de incapsulare SIP a unui sistem de senzori de gaz pentru monitorizare CH ₄ si CO ₂ Contract Infratech: 206/01.02.2007 Durata contractului: 01.02.2007-30.11.2007 Beneficiar: Sitex 45 S.A.	Procedura de incapsulare SIP	Sept.

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2. F. Iacomi, E. Budianu, M. Purica, "Effect of Sb, Sn dopant on the structural and electro-optical properties of CdS thin films", Symposium D.
3. Roxana Vasilco, Alina Popescu _Applications of Magnetic Materials and Devices in Medicine, Biomagnetism and Magnetic Biosystems Based on Molecular Recognition Processes, EMBO-ESF, Sep. 2007, San Feliu de Guixols, Spain

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14. Cristian Kusko, "Left handed electromagnetism in a three-dimensional dielectric structure" **Symposium "Nano and Giga in Europe: Communicating at the global level"**, 25 mai 2007, Acad. Romana, Bucuresti.
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17. D. Vasilache, G. Konstantinidis, D. Neculoiu, C. Morosanu, A. Stavrinidis, A.Kostopoulos, A. Cismaru, C. Buiculescu, A. Muller "Micromachined AlN based FBAR structures" **Proc of Micromechanics Europe MME 2007, 16-18 Sept, Guimaraes, Portugal, pp. 39-42, ISBN 978-972-98603-3-1**
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35. Mihaela BOJAN, Iuliana IORDACHE, Stefania FLOREA, F. GAROI, A. SIMA, Dana CRISTEA, A. DINESCU, Raluca MULLER “White light interferometry for height artifact calibration specimen”, **Young Optician School**, Erevan, Armenia, 2-7 mai 2007.
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38. R. Plugaru, „Optical properties of nanocrystalline titanium oxide”, **E-MRS Fall Meeting**, Warsaw, 17th-21st September, 2007, Proceeding, Abstract Books, p.213
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45. S. SIMION, G. SAJIN, F. CRACIUNOIU, R. MARCELLI, G. BARTOLUCCI: „Design and fabrication of MMIC coupled lines coupler consisting of Composite Right/Left-Handed transmission lines”, **The International Conference on Computer as a Tool, EUROCON 2007**, Warszawa, Poland, 09 – 12 Sept. 2007, pp. 2073 – 2077.
46. S. SIMION, G. SAJIN, F. CRACIUNOIU, R. MARCELLI, G. BARTOLUCCI: „CPW antenna fabricated on silicon substrate, based on transmission line metamaterial approach”, **10th Edition of Conference on Electromagnetics in Advanced Applications, ICEAA 2007**, Torino, Italy, 17 – 21 September 2007

an	2002	2003	2004	2005	2006	2007	Total
Nr. comunicari	51	77	92	108	153	46	527

Modele fizice, modele experimentale, modele functionale, prototipuri, normative, proceduri, metodologii, reglementări și planuri tehnice noi sau perfectionate, realizate în cadrul programelor naționale sau comandate de beneficiar

I. PROGRAMUL NUCLEU

Nr crt	Proiect Contract Beneficiar	Rezultat	Luna
0	1	2	3
Anul 2003			
Contractul nr. 13 /25.04.2003, Programul-nucleu “ Micro- nanostructuri si sisteme – MINASIST “ cod 19 si acte aditionale 1 si 2 Beneficiar: Ministerul Educației, Cercetării și Tineretului – M.Ed.C.T.			
1.	Proiect: Structura test multifunctionala pe siliciu, pentru aplicatii biomedicale Cod proiect: PN03190103	ME Tehnologie de realizare a structurii test multifunctionala pe siliciu, pentru aplicatii biomedicale	Mai
2.	Proiect: Tehnologii de obtinere a materialelor nanostructurate prin procedee fizico-chimice pentru aplicatii in microsisteme, Cod proiect: PN03190303	ME Tehnologie pentru obtinerea clusterelor de Si in structuri tip sandwich	Iunie
3.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente Cod proiect: PN 03 19 02 01	Tehnici de caracterizare microfizica a defectarilor specifice senzorilor	Sept.
4.	Proiect: Tehnologii de obtinere a materialelor nanostructurate prin procedee fizico-chimice pentru aplicatii in microsisteme, Cod proiect: PN03190303	Tehnologie de laborator de obtinere a structurilor tip sandwich	Nov.
5.	Proiect: Structura test multifunctionala pe siliciu, pentru aplicatii biomedicale Cod proiect: PN03190103	ME Tehnologie de realizare a structurii test multifunctionala pe siliciu, pentru aplicatii biomedicale	Dec.
6.	Proiect: Noi tehnologii de microprelucrare a substratelor de siliciu si sticla pentru realizarea de microstructuri si microsisteme” Cod proiect: PN0319020	Metode de microprelucrare a substratelor de siliciu si sticla pentru realizarea de microstructuri : ▪ Layout ▪ Masti ▪ Flux tehnologic modele experimentale	Dec.
Anul 2004			
Contractul nr.: 13 /25.04.2003, Programul-nucleu “ Micro- nanostructuri si sisteme – MINASIST “ cod 19 si acte aditionale 3,4,5/2004 Beneficiar: Ministerul Educației, Cercetării și Tineretului – M.Ed.C.T.			
7.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente Cod proiect: PN 03 19 02 01	Tehnologii de incercare a senzorilor	Martie
8.	Proiect: Tehnologii de obtinere a materialelor nanostructurate prin procedee fizico-chimice pentru aplicatii in microsisteme, Cod proiect: PN03190303	Model experimental pentru tehnologie de obtinere a structurilor tip sandwich	Martie
9.	Proiect: "Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in	Lay-out filtru trece jos si lay-out filtru trece sus, bazate pe structuri de	Iunie

	sisteme de comunicatii mobile si fara fir" Cod proiect: PN 03 19 02 02	capacitori si inductori microprelucrati	
10.	Proiect: "Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir" Cod proiect: PN 03 19 02 02	Proceduri: Flux tehnologic necesar realizarii puntilor aeriene	Iunie
11.	Proiect: "Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir" Cod proiect: PN 03 19 02 02	ME de structuri test	Iunie
12.	Proiect: Tehnologie de obtinere a semiconductorilor nanostructurati prin corodarea selectiva a eutecticelor metal-semiconductor Cod proiect: PN 03 19 03 02	ME Structuri test de semiconductori nanostructurati	Iunie
13.	Proiect: Cercetari tehnologice pentru obtinerea de structuri microfotonice senzitive cu aplicatii bio-medicale si de mediu Cod proiect: PN 03190102	Modele de calcul pentru proiectare structuri bio/chemo senzitive	Iunie
14.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente Cod proiect: PN 03 19 02 01	Tehnologie de monitorizare pe flux a performantelor de fiabilitate ale senzorilor	Oct.
15.	Proiect: Noi tehnologii de microprelucrare a substratelor de siliciu si sticla pentru realizarea de microstructuri si micro sisteme" Cod proiect: PN0319020	Metode experimentale de microprelucrare a substratelor de siliciu si sticla pentru realizarea de microstructuri	Nov.
16.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente Cod proiect: PN 03 19 02 01	Sistem de evaluare a fiabilitatii produselor microtehnologiilor	Dec.
17.	Proiect: Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir Cod proiect: PN 03 19 02 02	Flux tehnologic pentru realizare varactor MEMS	Dec.
18.	Proiect: Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir Cod proiect: PN 03 19 02 02	Lay-out varactor MEMS	Dec.
19.	Proiect: Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir Cod proiect: PN 03 19 02 02	Structuri test varactoare MEMS	Dec.
20.	Proiect: "Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru micro sisteme" Contractul Nr 13 / 25.04.2003, Act aditional nr. 5 / 2004 Cod proiect: PN 03 19 02 03	Lay-out filtru trece-banda pe membrana dielectrica pentru 45GHz	Dec.
21.	Proiect: Cercetari tehnologice pentru obtinerea de structuri microfotonice senzitive cu aplicatii bio-medicale si de mediu Cod proiect: PN 03190102	Procese de laborator de depunere straturi subtiri polimerice (PVA, PMMA+ PVK) - dopate cu materiale senzitive pentru uree si amoniac)	Dec.
Anul 2005			
Contractul nr.: 13 /25.04.2003, Programul-nucleu " Micro- nanostructuri si sisteme – MINASIST " cod 19 si act aditionale 6/2005			
Beneficiar: Ministerul Educației, Cercetării și Tineretului – M.Ed.C.T.			
22.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru micro sisteme Cod proiect: PN 03 19 02 03	Model de laborator de proces de realizarea ghidurilor de unda din polimeri neconfigurabili prin metode optice din polimeri utilizand preconfigurarea substratului	Apr.

23.	Proiect: Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir Cod proiect: PN 03 19 02 02	ME de structuri test de filtre trece sus si filtre trece jos pe membrane, cu inductori pe membrane si condensatori interdigitati	Mai
24.	Proiect: Structuri de comutatoare cu tensiune de actiune redusa Cod proiect: PN 06 24 04 03	Lay-out structuri test de comutatoare.	Mai
25.	Proiect: Structuri de comutatoare cu tensiune de actiune redusa Cod proiect: PN 06 24 04 03	ME de flux tehnologic de realizare a comutatoarelor.	Mai
26.	Proiect: Structuri de comutatoare cu tensiune de actiune redusa Cod proiect: PN 06 24 04 03	ME de structuri test de comutatoare.	Mai
27.	Proiect: Tehnologie de obtinere a semiconductorilor nanostructurati prin corodarea selectiva a eutecticilor metal-semiconductor Cod proiect: PN 03 19 03 02	Cerere de brevet de inventie – Structura pentru racirea circuitelor integrate si microsystemelor	Mai
28.	Proiect: Tehnologie de obtinere a semiconductorilor nanostructurati prin corodarea selectiva a eutecticilor metal-semiconductor Cod proiect: PN 03 19 03 02	Cerere de brevet de inventie – Structura pentru lipirea circuitelor integrate si a microsystemelor	Mai
29.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru microsysteme Cod proiect: PN 03 19 02 03	ME de structuri 3D de elemente pasive de circuit pentru aplicatii in microunde si unde milimetrice (RF MEMS).	Iunie
30.	Proiect: Noi tehnologii de microprelucrare a substratelor de siliciu si sticla pentru realizarea de microstructuri si microsysteme” Cod proiect: PN0319020	Model experimental de tehnologie de laborator pentru realizarea demonstratoarelor	Iunie
31.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru microsysteme Cod proiect: PN 03 19 02 03	ME de flux tehnologic pentru obtinere inductori spiralati cu “bridge” de polyimida /SU8 prin microprelucrarea GaAs si microprelucrarea siliciului,	Iunie
32.	Proiect: Metodă de determinare a proprietăților mecanice a materialelor prin metoda modelării-simulării cu element finit Cod proiect: PN 05 19 03 04	Metodă de determinare a proprietatilor de material a microstructurilor obtinute cu ajutorul unor experimente simple si a metodei elementului finit	Iunie
33.	Proiect: Metodă de determinare a proprietăților mecanice a materialelor prin metoda modelării-simulării cu element finit Cod proiect: PN 05 19 03 04	Metodă de determinare a frecventei de rezonanta a microstructurilor folosind masuratori electrice	Iunie
34.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente Cod proiect: PN 03 19 02 01	Tehnologii de incercare accelerata a senzorilor	Iunie
35.	Proiect: Metoda de caracterizare electrica a reactiei cianobacteriilor fata de factorii poluanti pentru dezvoltarea de noi microstructuri cu aplicatii de mediu Cod proiect: PN 05190306:	Dispozitiv experimental pentru microcelula electrochimica destinata studiului interfetarii unor bacterii cu electrozii traductorului amperometric	Iunie
36.	Proiect: Utilizarea AFM pentru caracterizarea proprietatilor netopografice ale suprafetelor la scara micro si nanometrica Cod proiect: PN 03 19 03 05	Metodologie- Metoda de trasare si prelucrare a curbilor de forta pentru studierea proprietatilor nanomecanice pe baza AFM	Iulie
37.	Proiect: Tehnologii de obtinere a materialelor nanostructurate prin procedee fizico-chimice pentru aplicatii in microsysteme Cod proiect: PN03190303	Modele experimentale de demonstratoare cu strat test specifice pentru caracterizarea fiecarei tehnologii	Iulie
38.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente	Metode de predictie a comportarii in timp a produselor microtehnologiilor	Sept.

	Cod proiect: PN 03 19 02 01		
39.	Proiect: Cresterea performantelor de fiabilitate prin utilizarea ingineriei convergente Cod proiect: PN 03 19 02 01	Tehnologie de optimizare pentru fiabilitate a proiectarii si a fabricatiei produselor microtehnologiilor	Nov.
40.	Proiect: Proiectare/simulare componente de microdozare pentru aplicatii biomedicale Cod proiect: PN 05190105	Proiect(lay-out) micropompa cu canale difuzoare-confuzoare actionata piezoelectric;	Nov.
41.	Proiect: Proiectare/simulare componente de microdozare pentru aplicatii biomedicale Cod proiect: PN 05190105	Model soft de caracterizare curgere in retele de microcanale	Nov.
42.	Proiect: Structuri de comutatoare cu tensiune de actiune redusa Cod proiect: PN 06 24 04 03	Structuri comutatoare-model experimental	Nov.
43.	Proiect: Structuri de comutatoare cu tensiune de actiune redusa Cod proiect: PN 06 24 04 03	Caracterizare structuri model experimental	Nov.
44.	Proiect: Structura test multifunctionala pe siliciu, pentru aplicatii biomedicale Cod proiect: PN03190103	ME Tehnologie de realizare a structurii test multifunctionala pe siliciu, pentru aplicatii biomedicale	Dec.
45.	Proiect: Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir Cod proiect: PN 03 19 02 02	Proces tehnologic (fluxuri) pentru filtre microprelucrate de tip L-C	Dec.
46.	Proiect: Dezvoltarea tehnologiilor de tip RF MEMS pentru realizarea de componente pasive integrabile in sisteme de comunicatii mobile si fara fir Cod proiect: PN 03 19 02 02	Demonstrator Structuri de capacitate variabila de tip MEMS	Dec.
47.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru micro sisteme Cod proiect: PN 03 19 02 03	Lay-out cuplor interferenta multimodala din SU-8	Dec.
48.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru micro sisteme Cod proiect: PN 03 19 02 03	ME de structuri fotonice demonstrative pe baza de PVA dopat	Dec.
49.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru micro sisteme Cod proiect: PN 03 19 02 03	Structuri demonstratoare de inductori microprelucrati tip spirala cu "pod" de polyimida	Dec.
50.	Proiect: Tehnologii pe baza de straturi subtiri organice destinate realizarii de componente de optica integrata si microunde pentru micro sisteme Cod proiect: PN 03 19 02 03	Demonstrator structura de modul microprelucrat integrat pentru de receptie directa la 45 GHz, pentru care s-au utilizat straturi de polyimida.	Dec.
51.	Proiect: Cercetari tehnologice pentru obtinerea de structuri microfotonice sensitive cu aplicatii biomedicale si de mediu Cod proiect: PN 03190102	Model de laborator de structura de microrezonator circular pentru biosenzori	Dec.
52.	Proiect: Cercetari tehnologice pentru obtinerea de structuri microfotonice sensitive cu aplicatii biomedicale si de mediu Cod proiect: PN 03190102	Model de laborator structura de senzor pe baza de ghiduri optice	Dec.
53.	Proiect: Cercetari tehnologice pentru obtinerea de structuri microfotonice sensitive cu aplicatii biomedicale si de mediu Cod proiect: PN 03190102	Model de laborator de cuplor de interferenta multimodala(MMI)	Dec.
54.	Proiect: Metoda de caracterizare electrica a reactiei cianobacteriilor fata de factorii poluanti pentru dezvoltarea de noi microstructuri cu aplicatii de mediu	Metoda de caracterizare electrica a reactiei cianobacteriilor fata de factori de mediu poluanti	Dec.

	Cod proiect: PN 05190306:		
55.	Proiect: Biomicrocapsule fabricate pe siliciu. Cod proiect: PN 03190104	Model experimental de realizare a biomicrocapsulelor realizate pe siliciu ▪ topografie ▪ Masti Flux tehnologic pentru modelele experimentale	Dec.
56.	Proiect: Noi tehnologii de microprelucrare a substratelor de siliciu si sticla pentru realizarea de microstructuri si micro sisteme” Cod proiect: PN0319020	Modele functionale de microstructuri realizate pe sticla si siliciu : ▪ topografie ▪ Masti Flux tehnologic pentru modelele experimentale	Dec.
Anul 2006			
Contractul nr.: 24N/19.01.2006, Programul-nucleu “ Micro/nano-tehnologii, micro/nano-structuri si sisteme” (MINASIST +)”			
Beneficiar: Ministerul Educației, Cercetării și Tineretului – M.Ed.C.T.			
57.	Proiect: Metode de functionalizare a suprafetelor de siliciu si sticla folosite ca substrat pentru obtinerea de biochipuri prin spotare robotizata Cod proiect: PN06240101	ME pentru tehnologie de functionalizare a siliciului si sticlei pentru imobilizarea ADN-ului	Feb.
58.	Proiect: Tehnologie de realizare a Matricilor Compozite Metal - Ceramica pentru incapsularae structurilor micro/nanometrice si circuitelor RF-MEMS Cod proiect: PN 06 24 04 04	Metodologie de caracterizarea materialelor ceramice avansate oxidice si neoxidice, metalelor si eutecticilor de inalata puritate.	Martie
59.	Proiect: Antene Yagi – Uda si folded slot pe membrane de GaAs pentru aplicatii in unde milimetrice Cod proiect: PN 03 19 02 03	Lay-out antena Yagi-Uda la frecventa de 45 GHz	Apr.
60.	Proiect: Tehnologii de integrare a structurilor nanometrice in micro sisteme pe siliciu Cod proiect: PN 062401102	ME Tehnologie de realizare a nanostructurilor in micro sisteme pe siliciu	Apr.
61.	Proiect: Tehnologii de obtinere a membranelor nanostructurate pe siliciu, cu aplicatii in senzori si in dispozitive biomedicale Cod proiect: PN062401103	Metoda de realizare a membranelor din siliciu poros	Mai
62.	Proiect: Tehnologii de depunere a straturilor dielectrice și a polisiliciului prin metode chimice la presiuni joase și configurarea lor prin corodare chimică uscată; stabilirea parametrilor de procesare Cod proiect: PN06240501	Proiectarea programului de vehicule de test (TCV), proiectarea de vehicule de caracterizare tehnologica	Iunie
63.	Proiect: Tehnologie de realizare a microsenzorilor de presiune scazuta Cod proiect: PN06240502	Model experimental de Tehnologie de realizare a microsenzorilor de presiune scazuta	Iunie
64.	Proiect: Microsenzori pentru detectia amoniacului si hidrogenului sulfurat rezultate din degradarea produselor alimentare Cod proiect: PN06240201	Model experimental de Microsenzori pentru detectia amoniacului si hidrogenului sulfurat rezultate din degradarea produselor alimentare	Iunie
65.	Proiect: Simulare si tehnologie pentru realizarea de arii de micro si nanostructuri pentru detectia de ADN Cod proiect: PN06240205	Model experimental de tehnologie pentru realizarea de arii de micro si nanostructuri pentru detectia de ADN	Iunie
66.	Proiect: Proiectare asistata de calculator pentru componente microfluidice Cod proiect: PN 06240206	Proiect componente microfluidice in functie de natura fluidelor manipulate [micropompa peristaltica, valva elastomerică]	Iulie
67.	Proiect: Structuri de comutatoare cu aplicatii in sistemele de comunicatii mobile Cod proiect: PN 06 24 04 03	Lay-out si masti pentru structuri test de comutatoare.	Aug.
68.	Proiect: Structuri de comutatoare cu aplicatii in	ME de flux tehnologic pentru	Aug.

	sistemele de comunicatii mobile Cod proiect: PN 06 24 04 03	realizarea de comutatoare .	
69.	Proiect: Structuri de comutatoare cu aplicatii in sistemele de comunicatii mobile Cod proiect: PN 06 24 04 03	ME de structuri test de comutatoare.	Aug.
70.	Proiect: Sistem de caracterizare electrica pentru micro-biosenzori Cod proiect: PN 06240204	Sistem de caracterizare electrica pentru micro-biosenzori	Aug.
71.	Proiect: Dezvoltarea de elemente microoptice reflective integrabile in microsisteme opto-mecano-electrice (MOEMS sau Optical MEMS) Cod proiect : PN06240303	Metoda de proiectare microoglinzi actuate electro-termic pe substrat de material semiconductor	Nov
72.	Proiect: Antene Yagi – Uda si folded slot pe membrane de GaAs pentru aplicatii in unde milimetrice Cod proiect: PN 03 19 02 03	ME de structuri test antene Yagi-Uda de 45 GHz realizate pe membrana de GaAs.	Nov
73.	Proiect: Tehnologii de obtinere a membranelor nanostructurate pe siliciu, cu aplicatii in senzori si in dispozitive biomedicale Cod proiect: PN062401103	ME de tehnologie de realizare a unui senzor de umiditate cu siliciu poros	Nov
74.	Proiect: Tehnologii de integrare a structurilor nanometrice in microsisteme pe siliciu Cod proiect: PN 062401102	Model de laborator preliminar pentru tehnologie de realizare a nanostructurilor piramidale in interiorul microcavitatilor	Nov.
75.	Proiect: Filtre de inalta selectivitate pentru comunicatii in domeniul RF si al undelor milimetrice Cod proiect: PN06240402	Lay-out filtru de inalta selectivitate in banda DCS1800	Dec.
76.	Proiect: Tehnologie de realizare a Matricilor Compozite Metal - Ceramica pentru incapsularae structurilor micro/nanometrice si circuitelor RF-MEMS Cod proiect: PN 06 24 04 04	Modele neconventionale de interconectare a micro/nanostructurilor active sau pasive si circuitelor RF MEMS.	Dec.
77.	Proiect: Procese de realizare componente de micro-nano optica si integrarea lor in circuite fotonice Cod proiect: PN06240304	Lay-out de structura de filtru stop-banda pentru sisteme WDM integrat cu o fotodioda pe siliciu	Dec.
Anul 2007			
Contractul nr.: 24N/19.01.2006 si actele aditionale 1 si 2/2007, Programul-nucleu “ Micro/nano-tehnologii, micro/nano-structuri si sisteme” (MINASIST +)”			
Beneficiar: Ministerul Educației, Cercetării și Tineretului – M.Ed.C.T.			
78.	Proiect: Proiectare asistata de calculator pentru componente microfluidice Cod proiect: PN 06240206	Metode de caracterizare prin simulare pentru dinamica fluidelor [lichide ionice] in microcomponente sub actiune mecanica: analize termodinamice, analize structurale, analize cuplate fluid-structura	Feb.
79.	Proiect: Tehnologii de integrare a structurilor nanometrice in microsisteme pe siliciu Cod proiect: PN 062401102	Metoda electrochimica de realizare a nanodot-urilor de Au	Martie
80.	Proiect: Tehnologie de realizare a Matricilor Compozite Metal - Ceramica pentru incapsularae structurilor micro/nanometrice si circuitelor RF-MEMS Cod proiect: PN 06 24 04 04	Flux tehnologic de realizare a Matricilor Compozite Metal – Ceramica.	Martie
81.	Proiect: Metode de functionalizare a suprafetelor de siliciu si sticla folosite ca substrat pentru obtinerea de biochipuri prin spotare robotizata Cod proiect: PN06240101	ME pentru tehnologii de functionalizare a siliciului si sticlei pentru imobilizarea ADN-ului modificat cu gruparea SH la capatul 5'	Apr.
82.	Proiect: Antene Yagi – Uda si folded slot pe membrane de GaAs pentru aplicatii in unde milimetrice	Model experimental antene Yagi-Uda de 45 GHz realizate pe membrana	Mai

	Cod proiect: PN 03 19 02 03	de GaAs.	
83.	Proiect: Filtre de inalta selectivitate pentru comunicatii in domeniul RF si al undelor milimetrice Cod proiect: PN06240402	Model experimental filtru de inalta selectivitate pentru aplicatii WLAN	Mai
84.	Proiect: Structuri de comutatoare cu aplicatii in sistemele de comunicatii mobile Cod proiect: PN 06 24 04 03	Lay-out structuri test de comutatoare in tehnologia MEMS.	Iulie
85.	Proiect: Tehnologii de depunere a straturilor dielectrice si a polisiliciului prin metode chimice la presiuni joase si configurarea lor prin corodare chimica uscata; stabilirea parametrilor de procesare Cod proiect: PN06240501	Metoda de depunere a straturilor dielectrice de polisiliciu prin LPCVD si configurarea lor	Iunie
86.	Proiect: Dezvoltarea de elemente microoptice reflectiv integrate in microsisteme opto-mecano-electrice (MOEMS sau Optical MEMS) Cod proiect: PN06240303	Tehnologie de realizare a microoglinzilor pe substrat de Si si SOI	Iulie
87.	Proiect: Proiectare asistata de calculator pentru componente microfluidice Cod proiect: PN 06240206	Metode de caracterizare prin simulare pentru dinamica fluidelor [lichide ionice] in microcomponente sub actiune piezoelectrica si electroosmotica	Aug.
88.	Proiect: Sistem de caracterizare electrica pentru micro-biosenzori Cod proiect: PN 06240204	Prototip: realizare module și interfețe, pe tipuri de micro-biosenzori, pentru sistemul de caracterizare electrica	Aug.
89.	Proiect: Dezvoltare tehnici de litografie cu fascicol de electroni destinate realizarii de micro si nanostructuri Cod proiect: PN06240107	Metoda pentru mix and match lithography (litografie optica-nanolitografie)	Sept.

II PROIECTE NATIONALE SI INTERNATIONALE

Nr crt	Proiect Contract	Rezultat	Luna
0	1	2	3
Anul 2002			
1.	Proiect: Dispozitive miniaturizate pentru masurarea presiunii, debitului si a concentratiei gazelor toxice din mediile poluate si a gazelor reziduale din procesele industriale bazate pe microsenzorul din siliciu Orizont 2000, 2000-2002 Contract nr.521/02.06.2000	Demonstrator de senzori de presiune, deit si concentratie de gaze	Iunie
2.	Proiect: Microsisteme pentru monitorizarea activitatii electrice a tesuturilor Orizont 2000, 2000-2002 Contract nr. 521/02.06.2000	Model experimental de microsystem pentru monitorizarea activitatii electrice a tesuturilor	Iunie
3.	Proiect: Microstructuri pentru analiza si monitorizarea concentratiei ionilor de K ⁺ , Na ⁺ , Ca ²⁺ , NO si a pH-ului in medii biologice Orizont 2000, 2000-2002 Contract nr 521/02.06.2000	Demonstrator de microsenzori chimici pentru analiza si monitorizarea concentratiei de ioni in medii biologice	Iunie
4.	Proiect: Tehnologie de realizare arii de microsenzori chimici pentru detectarea produsilor volatili rezultati din degradarea alimentelor Orizont 2000, 2000-2002 Contract nr 521/02.06.2000	Demonstrator de arii de microsenzori chimici rezonatori	Iunie
5.	Proiect: Nanodispersii depuse pe substrat SENBICAT MATNANTECH 2001-2004 Contract MATNANTECH nr. 65/06.2001	Tehnologii de nanodispersii depuse pe substrat semiconductoare	Iunie
6.	Proiect: Information Society Technologies REsearch And Training Action for System On Chip Design REASON – FP5, 2002-2005 Contract 30193/2002	Metodologii de instruire in domeniul „sistem-on-chip design”	Iulie
7.	Proiect: Biochip-uri pentru masurarea activitatii electrochimice a materialului biologic, Bio- ABC, PNCDI, program MATNANTECH Contract 74/ 2001	ME Tehnologie de realizare a biochip-urilor pentru masurarea activitatii electrochimice a materialului biologic	Iunie
8.	Proiect: DESIC : Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Proiectare și realizare vehiculele de caracterizare tehnologica pentru parametrii geometrici si Documentație tehnologica specifica pentru vehiculele de caracterizare tehnologica	Oct.
9.	Proiect: Procesarea substratelor ceramice prin adaptarea tehnologiei specifice microelectronicii si procese de interfata metal-ceramica” Grant nr. 6204/2000 si act additional nr. 1/2001	Demonstrator de microcapsula ceramica profilata cu aplicatii in inalta frecventa	Oct.
10.	Proiect: Dezvoltarea de tehnologii pentru senzori optici cu aplicatii in monitorizarea proceselor industriale si a mediului Contract RELANSIN nr. 189/ 23.12.1999 Beneficiar: ROMES S.A.	Standard de firma- SF 3/2002 preluat de beneficiar: Microsenzori matriciali MSO 2	Nov.
11.	Proiect: Tehnologie de realizare a senzorilor de camp magnetic cu sensibilitate ridicata	ME preliminar de tehnologie pentru realizarea senzorilor de	Nov.

	RELANSIN, S1, 2000 - 2003 Contract RELANSIN nr.144/24.12.1999	camp magnetic integrati impreuna cu electronica de polarizare si de amplificare si prelucrare a semnalului	
12.	Proiect: Tehnologie de realizare a magnetotranzistorilor microprelucrați RELANSIN, S1, 2001 - 2003 Contractul RELANSIN nr.1258/18.01.2001	ME preliminar de tehnologie pentru realizarea magnetotranzistorilor microprelucrați	Nov.
13.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 153000	Nov.
14.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 165000-1	Nov.
15.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 09.09.2002	Standard SR EN 165000-2	Nov.
16.	Proiect: Tehnologii de tip MEMS, metode de proiectare si modelare, noi materiale pentru circuite cu aplicatii in domeniul undelor centimetrice, milimetrice si submilimetrice Orizont 2000, 2000-2002 Contract nr. 521/2002	Model experimental receptoare hibride (cu antena avand ca suport membrane dielectrice realizate pe siliciu microprelucrat si utilizand ca element de detectie o dioda Schottky flip chip cu GaAs) pentru 77 GHz	Nov.
17.	Proiect: Metodologii de depistare si terapie a cancerului cu ajutorul unor microsisteme neconventionale: microsenzori si aplicatori. Contract PNCDI nr. 521/2000, tema B7 Act Aditional nr.1/2001, tema A7.	Procedura- Protocol de implementare a termografiei in aplicatii clinice.	Nov.
18.	Proiect: Rolul investitiilor imateriale si impactul asupra societatii romanesti PNCDI 1 CERES Contract nr.146/2001	Model functional de investitii materiale ca alternativa strategica pt dezvoltarea durabila a tarii in plan economoco-social	Dec.
19.	Proiect: COMPOLYMEMS: Tehnologii de realizare a microsistemelor pentru comunicatii bazate pe compusi $A_{ij}B_v$ si noi materiale polyimidice PNCDI 1:MATNANTECH, 2001-2004 Contract: MATNANTECH nr.35/2001	ME preliminar de tehnologie de procesare punti de polyimida pentru diode Sachotky suspendate pe membrana microprelucrata	Dec
20.	Proiect: RADET: Structuri senzitive microprelucrate cu aplicatii in detectia radiatiilor PNCDI 1:MATNANTECH, 2001-2002 Contract: MATNANTECH nr.75/2001	Demonstrator structura senzitiva pentru detectia radiatiilor: incapsulare si caracterizare.	Dec.
21.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract: MATNANTECH nr. 25/12.10.2001	Lay-out microcavitate Fabry-Perot	Dec.
22.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract MATNANTECH nr.25/12.10.2001	Fisiere simulari parametrii microcavitate Fabry- Perot – Metoda(produs soft)	Dec.
23.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 165000-3	Dec.
24.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 165000-4	Dec.
25.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 165000-5	Dec.

26.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 62326-4	Dec.
27.	Proiect: Elaborarea de standarde nationale MEC / ASRO Contract nr. 93 / 09.09.2002	Standard SR EN 62326-4-1	Dec.
28.	Proiect: Buletin de micro si nanoinginerie (MICRONANO) Contract MATNANTECH nr. 9 /11.10.2001, cu Universitatea Bucuresti, Facultatea de Chimie Industriala	Editarea a doua numere ale Buletinului	Dec.
29.	Proiect: Retea de laboratoare de cercetare in domeniul nanotehnologiilor (NANOTEHNET) Contract MATNANTECH nr. 28 / 12.10.2001, cu Universitatea Bucuresti, Facultatea de Chimie Industriala	Procedura de organizare a formarii profesionale	Dec.
30.	Proiect: Adoptarea de standarde europene pentru dispozitive cu semiconductoare Contract CALIST nr. 2350 / 10.10.2001	Standard SR EN 100114-6/A1	Dec.
31.	Proiect: Adoptarea de standarde europene pentru dispozitive cu semiconductoare Contract CALIST nr. 2350 / 10.10.2001	Standard SR EN 61747-4	Dec.
32.	Proiect: Centrul de cercetare in nanobiotehnologie - CENOBITE Contract MATNANTECH nr. 94 / 19.09.2002, Act aditional nr.1/2003, cu Universitatea Bucuresti, Facultatea de Chimie Industriala	Procedura de lucru a Centrului	Dec.
33.	Proiect: Substrate ceramice cu proprietati piezoelectrice controlate pentru aplicatii cu unde acustice de suprafata. Contract nr. 108/21.11.2001 Beneficiar: INCDIE ICPE-CA.	Metoda de elaborare a straturilor subtiri piezoceramice.	Dec.
34.	Proiect: Sistem de detectie a speciilor poluante din produsele alimentare Program Orizont Contract nr. 521/ 2002	ME de tehnologie de realizare sistem de detectie a speciilor poluante din produsele alimentare Metoda de realizare a retelelor de microelectrozi	Dec.
35.	Proiect: Detectia si analiza metalelor grele din apele raurilor, lacurilor si din Delta Dunarii, Program Orizont Contract nr. 521/ 2002	ME de tehnologie de realizare sistem de detectie si analiza metalelor grele din apele raurilor, lacurilor si din Delta Dunarii Metoda de realizare a retelelor de nanoelectrozi	Dec.
36.	Proiect: Masuratori de zgomot electronic in nanomateriale, o noua metoda de investigare, PNCDI, MATNANTECH Contract nr.27/ 2002	Metoda de investigare a zgomotului electronic in nanomateriale	Dec.
Anul 2003			
37.	Proiect CP-V: "Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoarede putere" Contract MATNANTECH nr. 6 / 10.11.2002	Model fizic privind absorbtia radiatiei laser la defectele microstructurale	Ian.
38.	Proiect CP-V: "Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoarede putere" Contract MATNANTECH nr. 6 / 10.11.2002	Metodologie privind selectia de fiabilitate a structurilor semiconductoare prin accelerarea generarii-recombinarii pe nivele adanci	Ian.
39.	Proiect CP-V: "Accelerarea selectiva prin iradiere cu	Model fizic privind absorbtia	Ian.

	laser a imbatranirii dispozitivelor semiconductoare de putere” Contract MATNANTECH nr. 6 / 10.11.2002	radiatiei laser la defectele microstructurale	
40.	Proiect CP-V: “Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoare de putere” Contract MATNANTECH nr. 6 / 10.11.2002	Metodologie privind selectia de fiabilitate a structurilor semiconductoare prin accelerarea generarii-recombinarii pe nivele adanci	Ian.
41.	Proiect: Microsenzori de forta pentru utilizare in Microscopia de Forta Atomica Contract MATNANTECH nr.91(208)/19.09.02	lay-out pentru microsenzori de forta pentru utilizare in Microscopia de Forta Atomica (produs soft)	Martie
42.	Proiect: Rolul investitiilor imateriale si impactul asupra societatii romanesti PNCDI 1 CERES , Contract CERES nr146/2001	Metodologie de crearea si implementarea mecanismului de orientare in cariera	Aprilie
43.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN 60249-2-10	Mai
44.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN 60249-2-14	Mai
45.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN 60249-2-16	Mai
46.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN 60249-2-17	Mai
47.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN 60249-2-19	Mai
48.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Layout antena slot dublu foldat suspendata pe membrana, pentru 45 GHz	Mai
49.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Layout antena slot dublu foldat suspendata pe membrana, pentru 35 GHz	Mai
50.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Layout filtru trece banda cu linii cuplate pentru 35GHz	Mai
51.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1: MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Layout filtru trece banda cu linii cuplate pentru 45GHz	Mai
52.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Layout antena Yagi-Uda suspendata pe membrana, pentru 35 GHz	Mai
53.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului”	Layout antena Yagi-Uda suspendata pe membrana, pentru 45 GHz	Mai

	PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002		
54.	Proiect: Studiul biofizic al alterarilor/modificarilor celulare induse de radiatia de microunde din domeniul telefoniei GSM. PNCDI – VIASAN / 2002. Subcontract nr. 177/1/2002 cu Universitatea de Medicina si Farmacie “Carol Davila”, Bucuresti.	Stabilirea metodelor de iradiere si de monitorizare a rezultatelor.	Mai
55.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract MATNANTECH nr.25/12.10.2001	Proiectare elemente opto-micromecanice	Mai
56.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract MATNANTECH nr.25/12.10.2001	Metoda de calcul pentru raspunsul microcavitatii Fabry-Perot in functie de lungimea de unda de interes	Mai
57.	Proiect: ACOUSTIC WAVES: Ceramic substrate with controlled piezoelectric properties for surface acoustic wave applications. Contract Proiect NATO SfP 974130 Beneficiar: ROMES SA.	Methods for characterization of piezoceramic substrates Measurement of piezo and SAW properties.	Mai
58.	Proiect: Substrate ceramice cu proprietati piezoelectrice controlate pentru aplicatii cu unde acustice de suprafata. Contract nr. 108/21.11.2001 Beneficiar: INCDIE ICPE-CA.	Demonstratori de substrate piezoceramice si caracterizarea lor. Masurarea proprietatilor piezo si SAW a demonstratorilor.	Iunie
59.	Proiect: COMPOLYMEMS: “Tehnologii de realizare a microsistemelor pentru comunicatii bazate pe compusi $A_{ij}B_v$ si noi materiale polyimidice” PNCDI 1:MATNANTECH, 2001-2004 Contract: MATNANTECH 35/2001	Layout antena suspendata pe membrana, integrabila cu dioda Schottky	Iunie
60.	Proiect: COMPOLYMEMS: “Tehnologii de realizare a microsistemelor pentru comunicatii bazate pe compusi $A_{ij}B_v$ si noi materiale polyimidice” PNCDI 1:MATNANTECH, 2001-2004 Contract: MATNANTECH 35/2001	Model experimental dioda Schottky integrata cu antena pe membrana de GaAs	Iunie
61.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr.3338 / 17.12.2002	Standard SR EN 160100	Iunie
62.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract 3338 / 17.12.2002	Standard SR EN 160101	Iunie
63.	Proiect: Adoptarea de standarde europene pentru dispozitive cu semiconductoare Contract CALIST nr.2350 / 10.10.2001	Standard SR EN 61747-5	Iunie
64.	Proiect: Metode si mijloace de combaterea bioterorismului BIOTECH, 2003-2005 Contract BIOTECH nr.: 456/2003	Tehnologie de realizare a unui microsistem pentru monitorizare si detectie a toxinelor din medii naturale (aer, apa, alimente).	Iunie
65.	Proiect CP-V: “Accelerarea selectiva prin iradiere cu laser a imbatranirii dispozitivelor semiconductoare de putere” Contract MATNANTECH nr. 6 / 10.11.2002	Prototip: “Echipament de accelerare a generarii-recombinarii purtatorilor minoritari, pe nivele adanci, la structurile semiconductoare”	Iulie
66.	Proiect: Adoptarea standardelor europene in domeniul dispozitivelor cu semiconductoare Contract CALIST nr. 3331 / 17.12.2002	Standard SR EN 60747-5-1	Iulie
67.	Proiect: DESIC: Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004	Lay-out optimizat pentru MOSFET pe SiC; Realizarea mastilor	Iulie

	Contract MATNANTECH, nr.23/11.10.2001		
68.	Proiect: DESIC:Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Realizarea modulului soft de caracterizare și testare a elementelor active integrabile realizate pe carbura de siliciu	iulie
69.	Proiect: Microsenzori de forta pentru utilizare in Microscopia de Forta Atomica Contract MATNANTECH, nr.91(208)/19.09.02	ME de tehnologie de Microsenzori de forta pentru utilizare in Microscopia de Forta Atomica	iulie
70.	Proiect: Adoptarea standardelor europene in domeniul dispozitivelor cu semiconductoare Contract CALIST nr. 3331 / 17.12.2002	Standard SR EN 60747-5-2	Sept.
71.	Proiect: Adoptarea standardelor europene in domeniul dispozitivelor cu semiconductoare Contract CALIST nr. 3331 / 17.12.2002	Standard SR EN 60747-5-3	Oct.
72.	Proiect: MEC / ASRO Contract nr. 509 / 18.09.2003	Standard EN 61188-1-1	Oct.
73.	Proiect: SENGAZ Senzor de gaze bazat pe SnO ₂ MATNANTECH, 2003-2005 Contract MATNANTECH nr.160(302) / 03.11.2003	Model Experimental de Senzor de gaze bazat pe SnO ₂	Oct.
74.	Proiect: Centrul de Consultanta in domeniul nanomaterialelor, nanostructurilor si nanotehnologiilor, 3N PNCDI, MATNANTECH Contract nr. 78/ 2001	Baza de date cu institutiile din domeniu	Oct.
75.	Proiect: DESIC:Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Procese tehnologice orientate pe etape de proces si pe tipuri de tehnologii, pentru realizarea unor tranzistori bipolari cu poarta izolata integrabili	Nov.
76.	Proiect: DESIC:Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Realizarea interfețelor test, a programelor de testare si a unor dispozitive specifice necesare	Nov.
77.	Proiect: MEC / ASRO Contract nr. 509 / 18.09.2003	Standard EN 61188-1-2	Nov.
78.	Proiect: MEC / ASRO Contract nr. 509 / 18.09.2003	Standard EN 61189-1	Nov.
79.	Proiect: MEC / ASRO Contract nr. 509 / 18.09.2003	Standard EN 61189-3	Nov.
80.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Model experimental antena slot dublu foldat suspendata pe membrana, pentru 35 GHz	Nov.
81.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Model experimental antena slot dublu foldat suspendata pe membrana, pentru 45 GHz	Nov.
82.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Model experimental filtru trece banda cu linii cuplate pentru 35GHz	Nov.
83.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004	Model experimental filtru trece banda cu linii cuplate pentru 45GHz	Nov.

	Contract: MATNANTECH 86(C207)/2002		
84.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Model experimental antena Yagi-Uda suspendata pe membrana, pentru 35 GHz	Nov.
85.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Model experimental antena Yagi-Uda suspendata pe membrana, pentru 45 GHz	Nov.
86.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	ME de tehnologie de realizare antene Yagi-Uda prin corodare RIE	Nov.
87.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	ME de tehnologie de realizare antene Yagi-Uda prin corodare RIE urmata de corodare umeda	Nov.
88.	Proiect: Studiul biofizic al alterarilor/modificarilor celulare induse de radiatia de microunde din domeniul telefoniei GSM. PNCDI – VIASAN / 2002. Subcontract nr. 177/1/2002 cu Universitatea de Medicina si Farmacie "Carol Davila", Bucuresti.	Model fizic pentru determinarea modificarilor de fluiditate.	Nov.
89.	Proiect: Microsenzori de forta pentru utilizare in Microscopia de Forta Atomica Contract MATNANTECH nr.C91(208)/19.09.02	Model experimental- Cantilever cu virf de Si integrat	Nov.
90.	Proiect: Microsenzori de forta pentru utilizare in Microscopia de Forta Atomica Contract MATNANTECH nr.C91(208)/19.09.02	Model experimental-Cantilever cu virf de Si ₃ N ₄ integrat	Nov.
91.	Proiect: Tehnologii de realizare componente microfotonice integrabile in subsisteme pe substrat de siliciu pentru interconexiuni optice si prelucrarea optica a informatiei MATNANTECH, 2001-2004, Contract MATNANTECH nr. 26 / 12.10.2001.	Proces tehnologic de realizare a ghidurilor de unda din Si prin corodarea anizotropa a plachetelor de Si cu orientarea <111>	Dec.
92.	Proiect: Microstructuri fotonice acordabile cu lungimea de unda pe baza de microcavitati optice cu aplicatii in comunicatii Contract MATNANTECH nr. C88(207) / 19.09.2002	Metoda de evaluare a grosimii si constantelor optice ale straturilor subtiri pe baza masuratorilor spectrofotometrice.	Dec.
93.	Proiect: Microstructuri fotonice acordabile cu lungimea de unda pe baza de microcavitati optice cu aplicatii in comunicatii Contract MATNANTECH nr. C88(207) / 19.09.2002	Model de calcul pentru reflectivitatea si transmisia depunerilor multistrat - program scris in Visual C++ 6.0	Dec.
94.	Proiect: rolul investitiilor imateriale si impactul asupra societatii romanesti PNCDI 1 CERES Contract CERES nr. 146/2001	Strategie (metode) de punere in practica a investitiilor imateriale in societatea romaneasca	Dec.
95.	Proiect: Retea de laboratoare de cercetare in domeniul nanotehnologiilor (NANOTEHNET) Contract MATNANTECH nr. 28 / 12.10.2001, cu Universitatea Bucuresti, Facultatea de Chimie Industriala	Organizarea de cursuri de perfectionare si formare multidisciplinara	Dec.
96.	Proiect: Centrul de cercetare in nanobiotehnologie - CENOBITE Contract MATNANTECH nr. 94 / 19.09.2002, Act	Metodologie de dezvoltare a conexiunilor Centrului cu centre/retele europene si	Dec.

	aditional nr.1/2003, cu Universitatea Bucuresti, Facultatea de Chimie Industriala	internationale	
97.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN 160200-2	Dec.
98.	Proiect: Adoptarea standardelor europene in domeniul tehnologiei asamblarii in electronica Contract CALIST nr. 3338 / 17.12.2002	Standard SR EN60249-2-7/A2	Dec.
99.	Proiect: Information Society Technologies EURORACTICE - coordination of proactive NAS interaction and an awareness dissemination and exploitation bridge BRIDGE – FP6, 2003-2005 Contract nr. 507307 / 18.12.2003	Metodologii de spijinire a participarii IMM-urilor in consortii europene (oferte de servicii tehnologice)	Dec.
100.	Proiect: Rețele matriciale de microalveole suport pentru celule biologice cu aplicatii in investigare, testare si diagnoza (CELLHOME) Contract PNCDI/Matnantech nr 90 (208)/ (19.09.2002)	Model experimental: De rețele matriciale de microalveole, suport pentru celule biologice	Dec.
101.	Proiect: Matrice pe siliciu nanostructurat pentru aplicatii in biologie, SINEMA, Proiect PNCDI, program MATNANTECH Contract nr.69/ 2002	Metoda de realizare a siliciului poros cu proprietati biocompatibile Metoda de realizare a siliciului poros cu proprietati bioactive	Dec.
102.	Proiect: Selective growth of carbon nanotubes on silicon network nanoelectrodes, Proiect Bilateral Romano-Francez “Brincusi”;	ME Tehnologie de realizare a substratului pentru cresterea nanotuburilor de carbon	Dec.
103.	Proiect: “Sistem de detectie a speciilor poluante din produsele alimentare”, ORIZONT2000 Contract 512/ 2002	Brevet nr 119032/ 8.12.2003- “Procedeu de realizare a unei rețele de nanoelectrozi integrati”	Dec.
104.	Proiect: NEXUS - Supporting IP's and NOE's ensuring SME representation and introducing NAS partners NEXUSPLUS – FP6 - Information Society Technologies Contract nr. 507293 / 23.12.2003	Metodologii de spijinire a participarii IMM-urilor in consortii europene	Dec.
Anul 2004			
105.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant: Modelling Stiction Effects in Metal to Metal Switches Beneficiar: Comisia Europeana, partenerii industriali ai consorțiului, ceilalți parteneri.	Metoda de simulare precisă a suprafețelor și a efectelor de contact în dispozitive MEMS (produs soft)	Ian.
106.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Layout receptor hibrid integrat pe substrat de siliciu cu antena slot dublu foldat, suspendata pe membrana microprelucrata, cu detectie simpla	Febr.
107.	Proiect: SIRMEMS “Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului” PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH nr. 86(C207)/2002	Layout receptor hibrid integrat pe substrat de siliciu cu antena Yagi-Uda, , suspendata pe membrana microprelucrata, cu detectie cu dublare de tensiune.	Febr.
108.	Proiect: Microstructuri fotonice integrate pentru analize chimice si biologice Contract: MATNANTECH nr.244 (208)/ 2003	Fisiere software realizate cu OptiFDTD pentru eficienta de cuplajului radiatiei din fibra monomod in ghid, sensibilitatea la modificarea indicelui invelisului ghidului de unda	Martie

109.	Proiect: Microsenzori chimici integrati pentru monitorizarea mediului - SENCHEMIN MATNANTECH 2001-2004; Contract nr 24/12.10.2001;	Model experimental de de microsenzori chimici integrati	Apr.
110.	Proiect: SECOM COMPONENTE MICROPRELUCRATE PENTRU SELECTAREA CANALELOR DE COMUNICATII IN UNDE MILIMETRICE Contract nr. C143(307)/2003	Realizare layout pentru comutator RF MEMS	Apr.
111.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract: MATNANTECH nr.176 (307)/1.11.2003	Realizare layout masti/Realizare masti structuri texturizare suprafata	Apr.
112.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract: MATNANTECH nr.176 (307)/1.11.2003	Model experimental- Micropiramide inversate	Apr.
113.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract MATNANTECH nr.176 (307)/1.11.2003	Model experimental- Microsanturi cu pereti rectangolari	Apr.
114.	Proiect: Retele matriciale de microalveole suport pentru celule biologice cu aplicatii in investigare, testare si diagnoza (CELLHOME) PNCDI/MATNANTECH Contract nr 90 (208)/ (19.09.2002)	Model functional De retele matriciale de microalveole, suport pentru celule biologice	Apr.
115.	Proiect: Retele matriciale de microalveole suport pentru celule biologice cu aplicatii in investigare, testare si diagnoza (CELLHOME) Contract PNCDI/Matnantech nr 90 (208)/ (19.09.2002) Beneficiar: IMT-Bucuresti	Procedeu de realizare a retelelor matriciale de microalveole pe substrat de sticla borosilicata prin corodare umeda Cerere brevet CBI OSIM nr: A / 00391/ 28.04.2004	Apr.
116.	Proiect: Proiect prioritar: "Strategia de cercetare- dezvoltare in domeniile materiale noi, micro si nanotehnologii, in perspectiva integrarii in spatiul de cercetare european" Contract MATNANTECH nr. PP119/ 17.10.2003 Beneficiar: ANCS	Studiu prospectiv: "Evaluarea tendintelor de dezvoltare la nivel european, in domeniile materiale noi, micro si nanotehnologii"	Mai
117.	Proiect: Tehnologie avansata de realizare a celulelor solare bazate pe microstructurarea de suprafata a siliciului monocristalin (MISSCELL) PNCDI/MATNANTECH Contract nr 141 (307)/ (01.11.2003)	Model experimental de realizare aceluilor solare bazate pe microstructurarea de suprafata a siliciului monocristalin	Mai
118.	Proiect: Studiul biofizic al alterarilor/modificarilor celulare induse de radiatia de microunde din domeniul telefoniei GSM. PNCDI – VIASAN / 2002. Subcontract nr. 177/1/2002 cu Universitatea de Medicina si Farmacie "Carol Davila", Bucuresti.	Model fizic pentru determinarea modificarilor de potential membranar induse prin iradiere.	Mai
119.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004 Contract: MATNANTECH 86(C207)/2002	Model experimental receptor hibrid integrat pe substrat de siliciu cu antena slot dublu foldat, suspendata pe membrana microprelucrata, cu detectie simpla	Mai
120.	Proiect: SIRMEMS "Circuite de receptie in domeniul undelor milimetrice fabricate prin microprelucrarea siliciului" PNCDI 1:MATNANTECH, 2002-2004	Model experimental receptor hibrid integrat pe substrat de siliciu cu antena Yagi-Uda, , suspendata pe membrana	Mai.

	Contract: MATNANTECH 86(C207)/2002	microprelucrata, cu detectie cu dublare de tensiune.	
121.	Proiect: Neuron optic reconfigurabil – cercetare, experimentare și evaluare parametri funcționali MATNANTECH, 2001-2004, Contract MATNANTECH nr. 20 / 12.10.2001.	Demonstrator de neuron optic	Mai
122.	Proiect: Neuron optic reconfigurabil – cercetare, experimentare și evaluare parametri funcționali MATNANTECH, 2001-2004, Contract MATNANTECH nr. 20 / 12.10.2001.	Metoda conoscopiei prin reflexie și structura de principiu a aparatului (supuse brevetarii, OSIM nr. A/00414 din 05.05.2004)	Mai
123.	Proiect: “RF MEMS switch”, laborator comun IMT-Samsung Advanced Institute for Technology (SAIT), februarie 2003 – mai 2004	Studiu teoretic privind posibilitatea realizării de comutatoare MEMS pentru frecvențe în domeniul 0,8 – 5GHz	Mai
124.	Proiect: Dezvoltarea de tehnologii pentru obținerea și microprocesarea straturilor subțiri nanostructurate de nitru de aluminiu - AlN, cu proprietăți piezoelectrice; PNCDI, MATNANTECH; Contract nr. 247 (407)/ 2004	ME-tehnologii pentru obținerea și microprocesarea straturilor subțiri nanostructurate de nitru de aluminiu – AlN, cu proprietăți piezoelectrice	Mai
125.	Proiect: Matrice pe siliciu nanostructurat pentru aplicații în biologie, SINEMA, PNCDI, MATNANTECH; Contract nr. 69/ 2002	ME Tehnologie de realizare a matricei pe siliciu nanostructurat pentru aplicații în biologie	Iunie
126.	Proiect: Tehnologie de obținere a membranelor de siliciu nanostructurat pentru un microlaborator farmaceutic, FARMEC PNCDI, MATNANTECH; Contract nr. 183/ 2003	Metoda de realizare a siliciului poros cu proprietăți bioresorbabile	Iunie
127.	Proiect: COMPOLYMEMS: “Tehnologii de realizare a microsistemelor pentru comunicații bazate pe compusi $A_{ij}B_v$ și noi materiale polyimide” PNCDI 1:MATNANTECH, 2001-2004 Contract: MATNANTECH 35/2001	Flux tehnologic pentru modelul experimental de modul integrat de recepție microprelucrat pentru 38 GHz	Iunie
128.	Proiect: Elaborarea de standarde europene în domeniul „Tehnologia asamblării în electronica” Contract: CALIST nr. 2328 / 10.10.2001	Standard EN 160201	Iunie
129.	Proiect: Elaborarea de standarde europene în domeniul „Tehnologia asamblării în electronica” Contract: CALIST nr.2328 / 10.10.2001	Standard SR EN60249-2-4	Iunie
130.	Proiect: Elaborarea de standarde europene în domeniul „Tehnologia asamblării în electronica” Contract: CALIST nr.2328 / 10.10.2001	Standard SR EN60249-2-4 A3	Iunie
131.	Proiect: Contract european FP6: Modelling Stiction Effects in Metal to Metal Switches Proiect PATENT - FP 6 Network of Excellence, Priority 2 (IST), Coordonator: University of Lancaster, UK Contract no.: 507255 (2004-2007), Beneficiar: partenerii industriali ai consorțiului, ceilalți parteneri.	Algoritmi de simulare precisă a suprafețelor și simularea efectelor de contact în dispozitive MEMS	Aug.
132.	Proiect: Contract european FP6: Modelling Stiction Effects in Metal to Metal Switches Proiect PATENT- FP 6 Network of Excellence, Priority 2 (IST), Coordonator: University of Lancaster, UK Contract no.: 507255 (2004-2007), Beneficiar: partenerii industriali ai consorțiului, ceilalți parteneri.	Servicii de simulare referitor la efectele de sticțiune în dispozitive MEMS	Aug.
133.	Proiect: Contract european FP6: Modelling Stiction Effects in Metal to Metal Switches	Algoritmii și software-ul de conversie a datelor de	Aug.

	Proiect PATENT- FP 6 Network of Excellence, Priority 2 (IST), Coordonator: University of Lancaster, UK Contract no.: 507255 (2004-2007), Beneficiar: partenerii industriali ai consorțiului, ceilalți parteneri.	topografie ale AFM în model ANSYS pentru determinarea proprietăților de material, prin indentare	
134.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant: Modelling Stiction Effects in Metal to Metal Switches Beneficiar: Comisia Europeana partenerii industriali ai consorțiului, ceilalți parteneri.	Metode de simulare referitoare la efectele de sticțiune în dispozitive MEMS (produs soft)	August
135.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant: Modelling Stiction Effects in Metal to Metal Switches Beneficiar: Comisia Europeana ,partenerii industriali ai consorțiului, ceilalți parteneri.	Metode si algoritmi software-ul de conversie a datelor de topografie ale AFM în model ANSYS pentru determinarea proprietăților de material, prin indentare (produs soft)	August
136.	Proiect: COMPOLYMEMS: “Tehnologii de realizare a microsystemelor pentru comunicatii bazate pe compusi $A_{iii}B_v$ si noi materiale polyimidice” PNCDI 1:MATNANTECH, 2001-2004 Contract: MATNANTECH 35/2001	Model experimental modul integrat de receptie microprelucrat pentru 38 GHz	Sept.
137.	Proiect: Multi-Material Micro Manufacture: Technologies and Applications 4M – Retea de Excelenta FP6 – NMP, 2004-2008 Contract 500274 / 01.10.2004	Tehnologii si aplicatii de microsenzori chimici	Sept.
138.	Proiect: Microstructuri fotonice acordabile cu lungimea de unda pe baza de microcavitati optice cu aplicatii in comunicatii Contract MATNANTECH nr.C88(207) / 19.09.2002	Procedeu tehnologic de realizare microstructuri fotonice de detectie cu microcavitate optica pe substrat de siliciu (brevet propus).	Sept.
139.	Proiect: Microstructuri fotonice acordabile cu lungimea de unda pe baza de microcavitati optice cu aplicatii in comunicatii Contract MATNANTECH nr. C88(207) / 19.09.2002	Model experimental de microstructura fotonica de detectie cu microcavitate optica pe substrat de siliciu	Sept.
140.	Proiect: Microstructuri fotonice integrate pentru analize chimice si biologice Contract MATNANTECH nr. 244 (208)/ 2003	Simulari structura senzor interferometric (metoda-produs soft)	Oct.
141.	Proiect: SECOM Componente microprelucrate pentru selectarea canalelor de comunicatii in unde milimetrice Contract nr. C143(307)/2003	Demonstrator comutator RF MEMS la 60 GHz	Oct.
142.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract MATNANTECH nr.176 (307)/1.11.2003	Realizare layout masti/Realizare masti structuri corugate	Nov.
143.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract MATNANTECH nr. 25/12.10.2001	Procedeu tehnologic pentru obtinerea microcavitatii Fabry-Perot bazat pe “surface micromachining”, utilizand un strat de sacrificiu	Nov.
144.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Modelarea elementelor de cuplaj micromecanic, a mecanismelor simple pe siliciu, a sistemelor microrobotice simple, a micromotoarelor electrice si a microvalvelor simple.	Nov.
145.	Proiect: NOVASIC: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe	Modelare si simulare tranzistor bipolar cu poarta izolata integrat	Nov.

	carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004	pe carbura de siliciu pentru aplicatii specifice de putere si temperatura mare	
146.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract: MATNANTECH nr. (307)/1.11.2003	Model experimental-Microstructuri cu sectiune in V	Nov.
147.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract MATNANTECH nr.176 (307)/1.11.2003	Model experimental-Structuri corugate	Nov.
148.	Proiect: DERAM:Tehnologii microelectronice de realizare a detectorilor pentru monitorizarea contaminarii radioactive din mediul natural PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contractul MATNANTECH nr.73/5.11.2001	ME preliminary de tehnologie pentru realizarea senzorilor de tip arie de porti in vederea detectarii si monitorizarii contaminarii radioactive a mediului natural	Nov.
149.	Proiect: SAW-BAW: Dispozitive cu unde acustice de suprafata si de volum pentru aplicatii in biomedicina si monitorizarea poluarii mediului. Contractul MATNANTECH nr.254 (408)/22.10.2004.	Model experimental pentru abordarea aplicativa si tehnologica a micromanipularii si a detectiei compusilor biologici cu rezonator SAW, respectiv FBAR.	Dec.
150.	Proiect: Studiul biofizic al alterarilor/modificarilor celulare induse de radiatia de microunde din domeniul telefoniei GSM. PNCDI – VIASAN / 2002. Subcontract nr. 177/1/2002 cu Universitatea de Medicina si Farmacie “Carol Davila”, Bucuresti.	Model biofizic de evaluare a viabilitatii celulare in campurile de microunde.	Dec.
151.	Proiect: DESIC:Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Tehnologie pilot: Fluxuri tehnologice preliminare pentru realizarea dispozitivelor de putere inalta pe SiC	Dec.
152.	Proiect: DESIC:Blocuri integrate realizate pe carbura de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Demonstrator: stabilirea performantelor proceselor tehnologice de realizare structuri conținând elemente active integrate realizate pe SiC (reguli de proiectare geometrica - DRC, parametri Spice);	Dec.
153.	Proiect: Microstructuri si circuite fotonice integrate cu aplicatii in prelucrarea si transmitia informatiei Contract MATNANTECH, nr. 142(307) oct.2003	Metoda de caracterizare elemente optice difractive	Dec.
154.	Proiect: Tehnologii de realizare componente microfotonice integrabile in subsisteme pe substrat de siliciu pentru interconexiuni optice si prelucrarea optica a informatiei MATNANTECH, 2001-2004, Contract MATNANTECH, nr.26 / 12.10.2001	Model exp. de Procese tehnologice pentru structuri de detectie integrate cu ghiduri optice	Dec.
155.	Proiect: Retea de laboratoare de cercetare in domeniul nanotehnologiilor (NANOTEHNET) Contract MATNANTECH, nr. 28 / 12.10.2001, cu Universitatea Bucuresti, Facultatea de Chimie Industriala	Proceduri de diseminare a informatiei	Dec.
156.	Proiect: Proiect PA: “Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate” Contract MATNANTECH, nr. 246 (407)/ 25.10.2004	Metoda de biodetectie pentru monitorizarea concentratiei unor xenobiotice (diuron) in apele reziduale	Dec.
157.	Proiect: Centrul de cercetare in nanobiotehnologie - CENOBITE	Strategie pentru dezvoltarea Centrului	Dec.

	Contract MATNANTECH, nr. 94 / 19.09.2002, , Act aditional nr.1/2003, cu Universitatea Bucuresti, Facultatea de Chimie Industriala		
158.	Proiect: Microtraductoare de acceleratie pentru aplicatiile auto - MITRAC MATNANTECH, 2001-2004 Contract MATNANTECH, nr.34/12.10.2001	Model experimental – traductor de acceleratie	Dec.
159.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant: Review of Optical Simulation and Modeling for MOEMS/MEMS Beneficiar: Comisia Europeana	Baza de date privind pachete software pentru modelarea si simularea structurilor MOEMS/MEMS	Dec.
160.	Proiect: Blocuri integrate realizate pe carbură de siliciu PNCDI 1: MATNANTECH, S7, 2001 - 2004 Contract MATNANTECH, nr.23/11.10.2001	Demonstrator: MOSFET integrat realizat pe SiC (Brevet)	Dec.
Anul 2005			
161.	Proiect: SECOM Componente microprelucrate pentru selectarea canalelor de comunicatii in unde milimetrice Contract nr. C143(307)/2003	Layout demonstratoare selectoare de canal RF MEMS 1x3	Feb.
162.	Proiect: SECOM -Componente microprelucrate pentru selectarea canalelor de comunicatii in unde milimetrice Contract nr. C143(307)/2003	Layout demonstratoare selectoare de canal RF MEMS 1x3	Feb.
163.	Proiect: Tehnologie avansata de realizare a celulelor solare bazate pe microstructurarea de suprafata a siliciului monocristalin (MISSCELL)” PNCDI/MATNANTECH Contract nr 141 (307)/ (01.11.2003)	Model functional a celulelor solare bazate pe microstructurarea de suprafata a siliciului monocristalin	Feb.
164.	Proiect: Microstructuri fotonice integrate pentru analize chimice si biologice Contract MATNANTECH, nr. 244 (208)/ 2003	Model experimental microstructuri fotonice integrate	Martie
165.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract MATNANTECH, nr.25/12.10.2001	Lay-out optimizat microcavitate Fabry –Perot integrata cu fotodetector	Apr.
166.	Proiect: SAW-BAW: Dispozitive cu unde acustice de suprafata si de volum pentru aplicatii in biomedicina si monitorizarea poluarii mediului. Contract MATNANTECH, nr. 254 (408)/22.10.2004.	Model experimental pentru substraturi piezoelectrice pentru rezonatori SAW si substraturi subtiri pentru FBAR.	Apr.
167.	Proiect: NOVASiC: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004	Model experimental tranzistor bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii specifice de putere si temperatura mare	Apr.
168.	Proiect: Tehnologie avansata de realizare a celulelor solare bazate pe microstructurarea de suprafata a siliciului monocristalin Contract PNCDI/Matnantech nr 141 (307)/ (01.11.2003)	Microconcentratoare optice pentru celule solare bazate pe microstructurarea de suprafata a substratului Brevet de inventie BI OSIM nr: 5-TCI /09.05.2005-31.12.2015	Mai
169.	Proiect: Tehnologii noi de realizare a dispozitivelor fotovoltaice cu eficienta de conversie crescuta bazate pe nanostructurarea suprafetei prin tehnici de porozificarea a substratului semiconductor monocristalin (SCCELL) PNCDI/MATNANTECH Contract nr 242(407)/ (01.10.2004)	Model experimental de realizare a celulelor solare cu eficienta de conversie crescuta bazate pe nanostructurarea suprafetei prin tehnici de porozificarea a	Mai

		substratului semiconductor monocristalin	
170.	Proiect: Microstructuri antireflectante cu aplicatii la fotodetectorii cu siliciu Contract MATNANTECH, nr. (307)/1.11.2003	Metodologie- Metoda de masurare a reflectantei totale si difuze a microstructurilor antireflectante	Mai
171.	Proiect: Tehnologie de obtinere a membranelor de siliciu nanostructurat pentru un microlaborator farmaceutic, FARMEC, PNCDI, MATNANTECH; Contract nr. 183/ 2003	ME Tehnologie de obtinere a membranelor de siliciu nanostructurat pentru un microlaborator farmaceutic	Iulie
172.	Proiect: Microsisteme pentru separarea macromoleculelor de ADN; PNCDI, MATNANTECH; Contract nr. 253 (2004-2006)	Metoda de realizare a electrozilor pentru separarea ADN	Iunie
173.	Proiect: Dispozitive semiconductoare comutabile prin efect de tiristor pentru absorbtia energiei supratensiunilor tranzitorii MATNANTECH 2004 Contract Nr. 245(407)/12.10.2004	Studiu tehnic (model fizic)	Iunie
174.	Proiect: Microstructuri fotonice integrate pentru analize chimice si biologice Contract MATNANTECH, nr. 244 (208)/ 2003	Demonstartor structura biosensor interferometrica	Iunie
175.	Proiect: MONTESAGRA: Tehnologii avansate de realizare a microtraductorilor multifunctionali pe substrat monocristalin piezoelectric cu aplicatii in testarea si monitorizarea produselor agroalimentare PNCDI 1: MATNANTECH, S8, 2003 - 2005 Contractul MATNANTECH nr.146(308)/10.2003	Model Experimental: Microtraductori multifunctionali realizati pe substrat monocristalin piezoelectric cu aplicatii in testarea si monitorizarea produselor agroalimentare	Iunie
176.	Proiect: Studiul biofizic al alterarilor/modificarilor celulare induse de radiatia de microunde din domeniul telefoniei GSM. PNCDI – VIASAN / 2002. Subcontract nr. 177/1/2002 cu Universitatea de Medicina si Farmacie “Carol Davila”, Bucuresti.	Model de corelare a modificarilor celulare evidentiate cu parametrii radiatiilor de tip GSM.	Iunie
177.	Proiect: Microstructuri si circuite fotonice integrate cu aplicatii in prelucrarea si transmitia informatiei Contract MATNANTECH, nr.142(307) oct.2003	Model experimental de Modulator optic	Iunie
178.	Proiect: Microstructuri si circuite fotonice integrate cu aplicatii in prelucrarea si transmitia informatiei Contract MATNANTECH, nr. 142(307) oct.2003	Model experimental -Elemente de cuplaj fibra optica-ghid de unda	Iunie
179.	Proiect: Microstructuri si circuite fotonice integrate cu aplicatii in prelucrarea si transmitia informatiei Contract MATNANTECH, nr.142(307) oct.2003	Elemente optice difractive - Model experimental	Iunie
180.	Proiect PA: “Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate” Contract MATNANTECH, nr. 246 (407)/ 25.10.2004	ME de Microcelula amperometrica pentru studiul biodetectiei unor xenobiotice	Iulie
181.	Proiect PA: “Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate” Contract MATNANTECH, nr. 246 (407)/ 25.10.2004	Metoda de analiza cromatografica a diuronului in efluentii instalatiilor biologice de epurare a apelor uzate	Iulie
182.	Proiect: Dezvoltarea Centrului De Transfer Tehnologic Pentru Microinginerie INFRATECH 2004-2005 Contract nr. 12/8.11.2004	Proceduri de sistem - contractare	Iulie
183.	Proiect: Dezvoltarea Centrului De Transfer Tehnologic Pentru Microinginerie	Proceduri de sistem – analiza comenzii / contractului	Iulie

	INFRATECH 2004-2005 Contract nr. 12/8.11.2004		
184.	Proiect: Dezvoltarea Centrului De Transfer Tehnologic Pentru Microinginerie INFRATECH 2004-2005 Contract nr. 12/8.11.2004	Proceduri de sistem – achizitionare	Iulie
185.	Proiect: Dezvoltarea Centrului De Transfer Tehnologic Pentru Microinginerie INFRATECH 2004-2005 Contract nr. 12/8.11.2004	Proceduri de sistem – proprietate intelectuala	Aug.
186.	Proiect: Dezvoltarea Centrului De Transfer Tehnologic Pentru Microinginerie INFRATECH 2004-2005 Contract nr. 12/8.11.2004	Proceduri de sistem – transfer tehnologic	Aug.
187.	Proiect: Waferbonding and Active Passive Integration Technology and Implementation FP6-2003-IST-2-004073	Lay-out - Micro rezonator circular pasiv cuplat vertical	Aug.
188.	Proiect: Modelling Stiction Effects in Metal to Metal Switches Proiect PATENT FP 6 Network of Excellence, Priority 2 (IST), Contract no.: 507255 (2004-2007), Coordonator: University of Lancaster, UK	Metoda de simulare a contactului mecanic intre suprafete rugoase	Aug.
189.	Proiect: Modelling Stiction Effects in Metal to Metal Switches Proiect PATENT FP 6 Network of Excellence, Priority 2 (IST), Contract no.: 507255 (2004-2007), Coordonator: University of Lancaster, UK	Algoritm și software de conversie a datelor de topografie ale AFM in model ANSYS	Aug.
190.	Proiect: Tehnologii noi de realizare a dispozitivelor fotovoltaice cu eficienta de conversie crescuta bazate pe nanostructurarea suprafetei prin tehnici de porozificarea a substratului semiconductor monocristalin Contract PNCDI/Matnantech nr 242(407)/ (01.10.2004)	Procedeu de fabricatie a celulelor solare de inalta eficienta pe siliciu monocristalin Cerere brevet CBI OSIM, nr. A / 00749 / 27.09.2006	Sept.
191.	Proiect: Tehnologie pentru realizarea dispozitivelor microfluidice prin microprelucrarea siliciului cu aplicatii in transferul termic si biologie (μ CANTECH) Contract PNCDI/Matnantech nr 251 (407)/ (01.10.2004)	Procedeu tehnologic pentru realizarea dispozitivelor microfluidice prin microprelucrarea siliciului cu aplicatii in transferul termic si biologie Cerere brevet CBI OSIM, nr. A / 00747 / 25.09.2006	Sept.
192.	Proiect: Micro-chip pe siliciu pentru identificarea de ADN, PNCDI, MATNANTECH; Contract nr. 147 / 2003	ME Tehnologie de realizare a micro-chipului pe siliciu pentru identificarea de ADN	Sept.
193.	Proiect: Sistem integrat de microrezervoare pentru eliberarea controlata a medicamentelor PNCDI, MATNANTECH; Contract nr. 165 (303)/ 2003	ME Tehnologie de realizare a sistemului integrat de microrezervoare pentru eliberarea controlata a medicamentelor	Sept.
194.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Documentatie tehnologica microstructuri si microangrenaje.	Sept.
195.	Proiect: MAGANGRENA: Microstructuri si	ME de tehnologie de corodare	Sept.

	microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	in plasma si depunere LPCVD pentru realizarea de microstructuri si microangrenaje prin tehnica straturilor de sacrificiu	
196.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	ME de tehnologie de realizare nanostructuri cu magnetorezistenta gigant	Sept.
197.	Proiect: Dezvoltarea de noi procese si microstructuri fotonice pe baza de straturi subtiri transparente si conductive pe substrat de compusi A ^{III} B ^V si Si, MICRODET MATNANTECH 2004-2006, Contract MATNANTECH, nr.248(407)/25.10.2004	Metoda de caracterizare a straturilor subtiri transparente si conductive de ZnO	Sept.
198.	Proiect: Tehnologie pentru realizarea micro-interferometrelor Fabry-Perot integrate pe substrat de siliciu Contract MATNANTECH, nr. 25/12.10.2001	Model de laborator structura interferometru Fabry-Perot	Sept.
199.	Proiect: Tehnologie de realizare microsistem bazat pe biosenzori pentru detectia toxinelor utilizate in bioterorism – TOXISISTEM Contract ASR Program 6/10.11.2005 Perioada 10.11.2005-09.11.2006	Demonstrator de microsistem pentru detectia toxinelor utilizate in bioterorism	Sept.
200.	Proiect: Dispozitive de microunde si unde milimetrice pe medii cu banda de frecventa interzisa (PBG) microprelucrate in ceramici si semiconductori. GRANT CNC SIS 27669/2005, A1/GR126/19.04.2006	Model fizic pentru propagarea undelor electromagnetice prin medii PBG nemagnetice si magnetice.	Oct.
201.	Proiect: SECOM COMPONENTE MICROPRELUCRATE PENTRU SELECTAREA CANALELOR DE COMUNICATII IN UNDE MILIMETRICE Contract nr. C143(307)/2003	Demonstratoare selectoare de canal RF MEMS 1x3	Oct.
202.	Proiect: SECOM COMPONENTE MICROPRELUCRATE PENTRU SELECTAREA CANALELOR DE COMUNICATII IN UNDE MILIMETRICE Contract nr. C143(307)/2003	Demonstratoare selectoare de canal RF MEMS 1x4	Oct.
203.	Proiect: FIREMEMS: "Filtre reconfigurabile microprelucrate pe siliciu, pentru comunicatii in unde milimetrice" PNCDI 1:MATNANTECH, 2004-2006 Contract: MATNANTECH 224/2004	Layout filtre stop-banda reconfigurabile pentru gama de frecventa de 38GHz	Oct.
204.	Proiect: FIREMEMS: "Filtre reconfigurabile microprelucrate pe siliciu, pentru comunicatii in unde milimetrice" PNCDI 1:MATNANTECH, 2004-2006 Contract MATNANTECH, nr. 224/2004	Layout filtre trece-banda reconfigurabile pentru gama de frecventa de 38GHz	Oct.
205.	Proiect: MEC / ASRO Contract nr. 95 / 08.04.2005	Standard SR EN 60747-16-10	Oct.
206.	Proiect: Sisteme condensate mixte ce includ ftalocianine si alti complecsi metalici purtători de oxigen cu aplicatii in senzori de interes medical si ecologic și in procese catalitice SENPOX – CEEX Modul I Contract 21/3.10.2005 Perioada: 2005 - 2008	Metodologii de sisteme condesate mixte cu ftalocianine si complecsi metalici	Oct.
207.	Proiect: Sisteme laser pulsate cu durate de	Model Experimental – sistem	Oct.

	picosecunde si femtosecunde pentru aplicatii in nanotehnologii NANOLAS: CEEX Modul I, 2005-2008 Contract CEEX PC-D04-PT04-343	laser pulsat pentru aplicatii in nanotehnologii	
208.	Proiect: Microstructuri canaleare si nanofluide pentru micro sisteme de racire, obtinute cu tehnologii plasma si laser Contract : MATNANTECH 149(309)/2005	Microstructuri canaleare si nanofluide pentru micro sisteme de racire, obtinute cu tehnologii plasma si laser (Brevet de topografie nr.6-TCI-21.11.2005)	Nov.
209.	Proiect: SAW-BAW: Dispozitive cu unde acustice de suprafata si de volum pentru aplicatii in biomedicina si monitorizarea poluarii mediului. Contract MATNANTECH, nr. 254 (408)/22.10.2004.	Model functional de microagitoare cu rezonator SAW si de senzori biologici FBAR.	Nov.
210.	Proiect: BIO-EM-RF: Cercetari cu privire la interactia bio-electromagnetica si impactul biologic al expunerii umane in campuri electromagnetice de radiofrecventa si microunde. Contract nr. CEEX 05-D11-54-P3 / 10.10.2005. IMT - Academia Fortelor Terestre „Nicolae Balcescu” Sibiu in cadrul CEEX 2005.	Procedura de fundamentare teoretica a problemelor de expunere si dozimetrie biologica a campului de radiofrecventa	Nov.
211.	Proiect: Microtehnologii pentru console multifunctionale, integrabile pe substrat de siliciu, destinate realizarii microsenzorilor si micro-actuatorilor Contract MATNANTECH, nr. 259(408)/2004	Lay out/Simulari structuri test de microconsole	Nov.
212.	Proiect: NOVASiC: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004	Realizarea interfetelor de test, a programelor de testare a tranzistorilor bipolari cu poarta izolata si a unor dispozitive specifice	Nov.
213.	Proiect: ELMAG-SF: Structuri si dispozitive de microunde pe medii microprocesate cu selectivitate in frecventa. Contract nr. 31CEEX_I03/10.10.2005. IMT – INFOSOC in cadrul CEEX 2005.	Modele experimentale de geometrii de structuri EMBG pentru domeniul microundelor	Dec.
214.	Proiect: Dispozitive semiconductoare comutabile prin efect de tiristor pentru absorbtia energiei supratensiunilor tranzitorii MATNANTECH 2004 Contract Nr. 245(407)/12.10.2004	Model functional de dispozitive semiconductoare comutabile prin efect de tiristor pentru absorbtia energiei supratensiunilor tranzitorii	Dec
215.	Proiect: Lab-on-a-chip implementation of production processes for new molecular imaging agents (MI-lab-on-chip) Contract FP6 STRP 516984 , PRIORITY 3 NMP	Fisiere simulare pentru componente de separare electrochimica (produs soft)	Dec.
216.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant "Fault Modelling and System Simulation of FlowFET Based MEF Arrays" Beneficiar: Comisia Europeana.	Metode de simulare pentru caracterizarea influentei defectelor in dispozitivele FlowFET	Dec.
217.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Model fizic: modelarea curgerii fluidelor prin dispozitive microfluidice pasive si active (produs soft)	Dec.
218.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Model fizic: Modelarea transportului electronilor in nanostructuri magnetice multistrat	Dec.

219.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004 Grant: Investigation of the interaction of the electromagnetic waves with micro and nano-structures Beneficiar: Comisia Europeana	Metoda de investigare a naturii fortelor induse de interactia radiatiei electromagnetice cu un micro-nanosistem	Dec.
220.	Proiect: Tehnologie pentru realizarea dispozitivelor microfluidice prin microprelucrarea siliciului cu aplicatii in transferul termic si biologie, (μ CANTECH) PNCDI/MATNANTECH Contract nr 251 (407)/ (01.10.2004)	Realizare layout si realizare model experimental pentru realizarea dispozitivelor microfluidice prin microprelucrarea siliciului	Dec.
221.	Protectia sanatatii prin dezvoltarea de noi instrumente complexe de tip < laborator pe un chip > (TOOPROLAB), PNCDI, CEEEX (2005-2008); Contract nr. 67/ 2005	Metoda de realizare a straturilor Au/Si pentru aplicatii bio	Dec.
Anul 2006			
222.	Proiect: Development of a toxin screening multi-parameter on-line bio-chip system TOXICHIP – STREP, FP6 - Information Society Technologies, 2006-2009 Contract 027900 / 01.02.2006	Demonstrator – sistem multi-parametru pentru detectia toxinelor	Ian.
223.	Proiect: Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate Contract MATNANTECH, nr. 246 (407)/ 25.10.2004 Beneficiar: SC ROMES SA	Studiu tehnologic privind functionarea biosenzorului pentru detectia diuronului, in sistem BATCH, pe medii sintetice, in conditii de laborator, la Institutul de Biologie Bucuresti	Ian.
224.	Proiect: SAW-BAW: Dispozitive cu unde acustice de suprafata si de volum pentru aplicatii in biomedicina si monitorizarea poluarii mediului. Contract MATNANTECH, nr. 254 (408)/22.10.2004.	Model functional de microagitator SAW pentru elemente biologice.	Apr.
225.	Proiect: Dezvoltarea de noi procese si microstructuri fotonice pe baza de straturi subtiri transparente si conductive pe substrat de compusi $A^{III}B^V$ si Si, MICRODET MATNANTECH 2004-2006, Contract MATNANTECH, nr. 248(407)/25.10.2004	Proiect de structuri de detectie rapida pe baza de oxizi transparenti si conductivi.	Apr.
226.	Proiect: Dezvoltarea de noi procese si microstructuri fotonice pe baza de straturi subtiri transparente si conductive pe substrat de compusi $A^{III}B^V$ si Si, MICRODET MATNANTECH 2004-2006, Contract MATNANTECH, nr.248(407)/25.10.2004	Metoda de evaluare si configurare a straturilor subtiri transparente si conductive de ZnO pentru structuri de detectie de tip MSM.	Apr.
227.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Tehnologie de laborator pentru microturbine si microangrenaje	Apr.
228.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Tehnologie de laborator nanostructuri magnetice cu magnetorezistenta gigant	Apr.
229.	Proiect: NOVASIC: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si	Model experimental Experimente tehnologice, orientate pe etape de proces si	Mai

	temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004	pe tipuri de tehnologii, pentru realizarea tranzistorilor bipolarari cu poarta izolata	
230.	Proiect: NOVASiC: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004	Model experimental Proiectarea interfetelor de testare a tranzistorilor bipolarari cu poarta izolata	Mai
231.	Proiect: ELMAG-SF: Structuri si dispozitive de microunde pe medii microprocesate cu selectivitate in frecventa. CEEX 2005. INFOSOC, 2005-2008 Contract INFOSOC,nr. 31CEEX_I03/10.102005	Informatii privind propagarea microundelor prin structuri EMBG in diferite configuratii geometrice si dimensionale	lunie
232.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Modelarea si simularea elementelor sistem microfluidic: microcanale, micropompa rotativa, microvalve, microviscozimetru rotational	iunie
233.	Proiect: FIREMEMS: "Filtre reconfigurabile microprelucrate pe siliciu, pentru comunicatii in unde milimetrice" PNCDI 1:MATNANTECH, 2004-2006 Contract: MATNANTECH 224/2004	Flux tehnologic procesare filtre stop-banda reconfigurabile pentru gama de frecventa de 38GHz	lunie
234.	Proiect: FIREMEMS: "Filtre reconfigurabile microprelucrate pe siliciu, pentru comunicatii in unde milimetrice" PNCDI 1:MATNANTECH, 2004-2006 Contract: MATNANTECH 224/2004	Flux tehnologic procesare filtre trece-banda reconfigurabile pentru gama de frecventa de 38GHz	lunie
235.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen si semiconductori de banda larga pentru aplicatii in domeniul comunicatiilor avansate" CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ 29 CEEX/2005	Layout antene Yagi-Uda de 60GHz realizabile pe membrane de GaAs	lunie
236.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen si semiconductori de banda larga pentru aplicatii in domeniul comunicatiilor avansate" CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ 29 CEEX/2005	Layout antene Yagi-Uda de 77 GHz realizabile pe membrane SiO ₂ /Si ₃ N ₄ avand ca substrat siliciu de inalta rezistivitate cu orientare <100>.	lunie
237.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen si semiconductori de banda larga pentru aplicatii in domeniul comunicatiilor avansate" CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ 29 CEEX/2005	Model experimental antene Yagi-Uda de 60GHz realizabile pe membrane de GaAs	lunie
238.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen si semiconductori de banda larga pentru aplicatii in domeniul comunicatiilor avansate" CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ 29 CEEX/2005	Model experimental antene Yagi-Uda de 77 GHz realizabile pe membrane SiO ₂ /Si ₃ N ₄ avand ca substrat siliciu de inalta rezistivitate cu orientare <100>.	lunie
239.	Proiect: Proiect PA: "Biosenzor pentru detectia si monitorizarea unor xenobiotice (diuron) in efluentii instalatiilor de epurare biologica a apelor uzate" Contract MATNANTECH, nr. 246 (407)/ 25.10.2004	Prototip: „Biosenzor pentru detectia unor xenobiotice (diuron) in efluentii instalatiilor biologice de epurare a apelor uzate	lunie
240.	Proiect: Microtehnologii pentru console multifunctionale, integrabile pe substrat de siliciu, destinate realizarii	Model experimnetal arii de microconsole	lunie

	microsenzorilor si micro-actuatorilor Contract MATNANTECH, nr. 259(408)/2004		
241.	Proiect: Materiale Neconvenționale pentru Microtehnologie – Cercetare și Experimentare Microstructuri pe Baza de Elastomeri pentru Aplicații in Domeniul Microsistemelor CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ nr.15/2005	Metoda și echipament pentru testarea proprietăților termomecanice ale elastomerilor (va fi supusa brevetarii)	Iulie
242.	Proiect: Materiale Neconvenționale pentru Microtehnologie – Cercetare și Experimentare Microstructuri pe Baza de Elastomeri pentru Aplicații in Domeniul Microsistemelor CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ nr.15/2005	Metoda de imbunătățire a citirii prin reflexie interna frustrata (va fi supusa brevetarii)	Iulie
243.	Proiect: Tehnologii noi de realizare a dispozitivelor fotovoltaice cu eficienta de conversie crescuta bazate pe nanostructurarea suprafetei prin tehnici de porozificarea a substratului semiconductor monocristalin (SCCELL PNCDI/MATNANTECH Contract nr 242(407)/ (01.10.2004)	Model functional a celulelor solare cu eficienta de conversie crescuta bazate pe nanostructurarea suprafetei prin tehnici de porozificarea a substratului semiconductor monocristalin	Iulie
244.	Proiect: Lab-on-a-chip implementation of production processes for new molecular imaging agents (MI-lab-on-chip) Contract FP6 STRP 516984 PRIORITY 3 NMP	Fisiere simulare pentru valve active	Aug.
245.	Proiect: Waferbonding and Active Passive Integration Technology and Implementation Contract: FP6-2003-IST-2-004073	Micro rezonator circular activ pasiv cuplat vertical Lay-out	Aug.
246.	Proiect: Tehnologii avansate de realizare dispozitive MEMS cu aplicatii biomedicale, bazate pe straturi tip diamant – BIOMEMS-DLC MATNANTECH , S8, 2004-2006 Contract MATNANTECH nr. 249 (408)/ 10.2004	Cerere de brevet depusa in 2007	Sept.
247.	Proiect: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract MATNANTECH nr.266(409)/12.10.2004	Demonstrator Microstructuri si microangrenaje realizate pe siliciu prin microprelucrari de suprafata combinate cu tehnica straturilor de sacrificiu (Brevet)	Sept.
248.	Proiect: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Demonstrator Nanostructuri magnetice multistrat cu magnetorezistenta gigant (Brevet)	Sept.
249.	Proiect: „Tehnologie pentru realizarea dispozitivelor microfluidice prin microprelucrarea siliciului cu aplicatii in transferul termic si biologie, (μCANTECH)” PNCDI/MATNANTECH Contract nr 251 (407)/ (01.10.2004)	Model functional pentru celulele solare de mare eficiență bazate pe efecte cuantice utilizând nanotehnologii și procese tehnologice neconvenționale	Sept.
250.	Proiect: Dispozitive semiconductoare comutabile prin efect de tiristor pentru absorbtia energiei supratensiunilor tranzitorii” MATNANTECH 2004 Contract Nr. 245(407)/12.10.2004	Documentatie tehnica pentru realizare prototip de dispozitiv semiconductor comutabil prin efect de tiristor pentru absorbtia energiei supratensiunilor tranzitorii	Sept.
251.	Proiect: Microtehnologii pentru console multifunctionale,	Demonstrator micro consola	Sept.

	integrabile pe substrat de siliciu, destinate realizarii microsenzorilor si micro-actuatorilor Contract MATNANTECH, nr. 259(408)/2004	integrata	
252.	Proiect: Dezvoltarea de noi procese si microstructuri fotonice pe baza de straturi subtiri transparente si conductive pe substrat de compusi A ^{III} B ^V si Si, MICRODET MATNANTECH 2004-2006, Contract MATNANTECH, nr. 248(407)/25.10.2004	Model experimental de fotodetector Metal - Semiconductor - Metal (MSM) pe baza de straturi subtiri transparente si conductive de ZnO.	Sept.
253.	Proiect: Tehnologii de realizare microstructuri pe baza de materiale compozite polimerice si hibride pentru MOEMS si senzori Contract MATNANTECH, nr. 5132/ 25.10.2004	Model experimental de procese tehnologice de obtinere materiale compozite polimerice si hibride	Sept.
254.	Proiect: Tehnologii de realizare microstructuri pe baza de materiale compozite polimerice si hibride pentru MOEMS si senzori Contract MATNANTECH, nr. 5132/ 25.10.2004	Model experimental de procese tehnologice de configurare straturi subtiri din materiale compozite polimerice si hibride	Sept.
255.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Demonstrator Microstructuri si microangrenaje realizate pe siliciu prin microprelucrari de suprafata combinate cu tehnica straturilor de sacrificiu	Sept.
256.	Proiect: MAGANGRENA: Microstructuri si microangrenaje cu detectie magnetica pe baza de nanostructuri cu magnetorezistenta gigantica PNCDI 1: MATNANTECH, S9, 2004 - 2006 Contract: MATNANTECH nr.266(409)/12.10.2004	Demonstrator Nanostructuri magnetice multistrat cu magnetorezistenta gigant	Sept.
257.	Proiect: NOVASiC: Tehnologie de realizare a tranzistorului bipolar cu poarta izolata integrat pe carbura de siliciu pentru aplicatii speciale de putere si temperatura RELANSIN, S1, 2004 - 2006 Contractul RELANSIN nr.1969/15.09.2004	Demonstrator Tranzistori bipolari cu poarta izolata integrati pe carbura de siliciu pentru aplicatii speciale de putere si temperatura	Sept.
258.	Proiect: Microsisteme pentru separarea macromoleculilor de ADN, PNCDI, MATNANTECH; Contract nr. 253 (2004-2006)	ME Tehnologie de realizare a microsistemelor pentru separarea macromoleculilor de ADN	Sept.
259.	Proiect: Cresterea eficientei de emisie in camp a varfurilor microprelucrate in Si prin depunere localizata de materiale nanostructurate in arc termoionic in vid, PNCDI, MATNANTECH, 2004- 2006 Contract nr. 247 / 2004	ME Tehnologie de realizare a varfurilor microprelucrate in siliciu, prin depunerea localizata de materiale nanostructurate in arc termoionic in vid pentru aplicatii de emisie in camp	Sept.
260.	Proiect: FIREMEMS: "Filtre reconfigurabile microprelucrate pe siliciu, pentru comunicatii in unde milimetrice" PNCDI 1:MATNANTECH, 2004-2006 Contract: MATNANTECH 224/2004	Model experimental filtre stop-banda reconfigurabile pentru gama de frecventa de 38GHz	Sept.
261.	Proiect: FIREMEMS: "Filtre reconfigurabile microprelucrate pe siliciu, pentru comunicatii in unde milimetrice" PNCDI 1:MATNANTECH, 2004-2006 Contract: MATNANTECH, nr 224/2004	Model experimental filtre trece-banda reconfigurabile pentru gama de frecventa de 38GHz	Sept.
262.	Proiect: BIO-EM-RF: Cercetari cu privire la interactia bio-electromagnetica si impactul biologic al expunerii umane in campuri electromagnetice de radiofrecventa si microunde. Contract nr. CEEX 05-D11-54-P3 / 10.10.2005. IMT - Academia Fortelor Terestre „Nicolae Balcescu” Sibiu in	Rezultate ale testarilor si experimentarilor asupra expunerii biologice la radiatia emisa de sursele de radiofrecventa / microunde.	Sept.

	cadrul CEEX 2005.		
263.	Proiect: Dispozitive de microunde si unde milimetrice pe medii cu banda de frecventa interzisa (PBG) microprelucrate in ceramici si semiconductori. GRANT CNCISIS Contract nr. 27669/2005, A1/GR126/19.04.2006	Proiecte de medii PBG functionale neferitice sau feritice.	Oct.
264.	Proiect: ELMAG-SF: Structuri si dispozitive de microunde pe medii microprocesate cu selectivitate in frecventa. CEEX, INFOSOC, 2005-2008 Contract nr. 27/10.10.200531CEEX_103/10.102005.	Proiect de structuri EMBG unidimensionale si bidimensionale	Oct.
265.	Proiect: Tehnologii la scara nanometrica: fenomene de degradare in timp” Grant CNCISIS, ctr. nr. 22gr / 27.04.2006 cu Ministerul Educației si Cercetării - Autoritatea Nationala pentru Cercetare Stiintifica (MEdC-ANCS)	Baze de date pentru : i) metode de investigare a fenomenelor de degradare in materiale nanostructurate, ii) fiabilitatea NEMS	Oct.
266.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004/PC6-IST Grant: Flagship Project "Droplet-Based Micro-Electronic Fluidic Operations for Production and Evaluation Platform BioMEMS (BioDrop Project)" Beneficiar: Comisia Europeana/ Cele 23 de institutii europene din retea / Partenerii industriali ai retelei	Metode de simulare pentru manipularea picaturilor in microsisteme biomedicale	Nov.
267.	Proiect: Studii avansate pentru caracterizarea optica a materialelor semiconductoare nanostructurate si a dispozitivelor CEEX Modul II Contract nr. 11/2006-2008 Beneficiar: ANCS	Model teoretic: Studii teoretice ale proprietatilor optice ale materialelor semiconductoare organice si inorganice.	Nov.
268.	Proiect: Tehnologie noua de realizare a unui senzor capacitiv enzimatic realizat prin imobilizarea enzimelor in matrici de siliciu macroporos, pentru aplicatii in detectia contaminarii cu pesticide reziduale.(SIPORENZA)” PNCDI/ CEEX – SECURITATE Contract SO74 (15.12.2005)	Model experimental de realizare a unui senzor capacitiv enzimatic realizat prin imobilizarea enzimelor in matrici de siliciu macroporos, pentru aplicatii in detectia contaminarii cu pesticide reziduale	Nov.
269.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen si semiconductori de banda larga pentru aplicatii in domeniul comunicatiilor avansate” CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 29 /2005	Layout modul de receptie integrat pentru 60 GHz realizat cu antene Yagy	Dec.
270.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Modelarea si simularea sistemului electromagnetic de detectie	Dec.
271.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen si semiconductori de banda larga pentru aplicatii in domeniul comunicatiilor avansate” CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL I/ nr.29 /2005	Layout rezonator FBAR pe substat de GaN	Dec.
272.	Proiect: Microstructuri de senzori si actuatori destinate micropozitionarii si micro-manipularii - mecanice si biologice, CEEX- INFOSOC, Contract nr. 28 CEEX-I03 / 10.10.2005	Layout senzori optici/set masti	Dec.
273.	Proiect: Lab-on-a-chip implementation of production processes for new molecular imaging agents (MI-lab-on-	Fisiere simulare pentru micropompa pneumatica	Dec.

	chip) Contract: FP6 STRP 516984 PRIORITY 3 NMP		
274.	Proiect: Dezvoltarea unui laborator de masurari si testari optice si opto-electrice in acord cu cerintele directivelor si normativelor europene / OPTOLAB Contract CEEX/Modul IV –nr. 97/ 10.08.2006	Metoda de caracterizare a suprafetelor microprelucrate prin spectrofotometrie de reflexie pentru domeniul spectral 200-900 nm.	Dec.
275.	Proiect: Dezvoltari de tehnologii mixte pentru micro/nano structuri si sisteme fotonice integrate cu aplicatii in comunicatii. FOTONTECH EEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr.16 I 03/2005	Model laborator procese de realizare microstructuri pentru componente si microsisteme fotonice prin microprelucrarea plachetelor de tip SOI	Dec.
276.	Proiect: Dezvoltari de tehnologii mixte pentru micro/nano structuri si sisteme fotonice integrate cu aplicatii in comunicatii. FOTONTECH EEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr.16 I 03/2005	Procese de obtinere si impurificare straturilor subtiri oxidice cu proprietati optice si electrice controlate	Dec.
277.	Proiect: Dezvoltari de tehnologii mixte pentru micro/nano structuri si sisteme fotonice integrate cu aplicatii in comunicatii. FOTONTECH EEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr.16 I 03/2005	Model laborator procese de depuneri straturi subtiri de materiale fotonice dopate cu pamanturi rare prin tehnica sol-gel – sinteze: depuneri, paternari si caracterizari	Dec.
278.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Proiectare model experimental Layout-ul elementelor constituate ale sistemului microfluidic: microcanale drepte, stenozate, bifurcate, endoteliale, micropompa rotativa, microvalve, microviskozimetru rotational	Dec.
279.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Proiectare model experimental Layout-ul sistemului electromagnetic de detectie a curgerii fluidelor.	Dec.
280.	Proiect: Protectia sanatatii prin dezvoltarea de noi instrumente complexe de tip < laborator pe un chip > (TOOPROLAB), PNCDI, CEEX (2005-2008) ; Contract nr. 67/ 2005	ME Tehnologie de realizare a unui sistem pentru investigarea ADN (PCR si separare electroforetica pe un chip)	Dec.
281.	Proiect: RETEA de cercetare integrata pentru nanomedicina (nanobiotehnologie pentru sanatate) (RO-NANOMED); PNCDI, CEEX (2005-2008); Contract nr. 42/ 2005	Metoda de realizare a Ag/Si cu proprietati antibacteriene	Dec.
282.	Proiect: INTEGRAMplus – Integrated Project, FP6 - Information Society Technologies Integrated MNT platforms and services – Service Action Contract 027540 / 01.01.2006 Perioada: 2006-2008	Tehnologii si sisteme de servicii si platforme tehnologice	Dec.
283.	Proiect: Retea de excelenta PC6/IST „Patent-DfMM” Contract nr. 507255/2004/PC6-IST Grant: Flagship Project "Droplet-Based Micro-Electronic Fluidic Operations for Production and Evaluation Platform BioMEMS (BioDrop Project)" Beneficiar: Comisia Europeana	Metode de simulare pentru manipularea picaturilor in microsisteme biomedicale	Nov.
284.	Proiect: RTN-NANOEL: Retea tehnologica destinata	ME de structuri experimentale	Dec.

	integrării României în Platforma Europeană de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	straturi subțiri pentru realizarea valvei de spin/ caracterizare microfizică	
285.	Proiect: RTN-NANOEL: Retea tehnologică destinată integrării României în Platforma Europeană de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Studii privitoare la obținerea nanotuburilor de carbon prin LCVD	Dec.
286.	Proiect: RTN-NANOEL: Retea tehnologică destinată integrării României în Platforma Europeană de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Studiul opțiunilor tehnologice privind utilizarea tehnologiei siliciului pentru SiC și diamant	Dec.
287.	Proiect: Cercetări integrate pentru realizarea celulelor solare de mare eficiență bazate pe efecte cuantice utilizând nanotehnologii și procese tehnologice neconvenționale (HES – CELL PNCDI/ CEEX - CALIST Contract nr 6106 (05.10.2005)	Model experimental pentru realizarea celulelor solare de mare eficiență bazate pe efecte cuantice utilizând nanotehnologii și procese tehnologice neconvenționale	Dec.
Anul 2007			
288.	Proiect: Contract FP6 STRP 516984 PRIORITY 3 NMP Lab-on-a-chip implementation of production processes for new molecular imaging agents (MI-lab-on-chip)	Fisieră simulare pentru eliberarea soluției din rezervor	Feb.
289.	Proiect: Materiale neconvenționale pentru microtehnologie – cercetare și experimentare microstructuri pe bază de elastomeri pentru aplicații în domeniul microsistemelor Contract CEEX INFOSOC Modul 1 nr. 15 / 2005 Beneficiar: se află în proprietatea IMT-București. Se caută, de asemenea, găsirea de beneficiari pentru a comanda un astfel de aparat sau pentru a le oferi servicii de caracterizare materiale folosind metoda și aparatul	Prototip omologat de Conoscop prin Reflexie	Martie
290.	Proiect: Materiale neconvenționale pentru microtehnologie – cercetare și experimentare microstructuri pe bază de elastomeri pentru aplicații în domeniul microsistemelor Contract CEEX INFOSOC Modul 1 nr. 15 / 2005	Sistem de achiziție de date și Software pentru achiziția de date și software pentru achiziția de date	Martie
291.	Proiect: Microstructuri poli-compozite emițătoare și modulatori de lumină - proprietăți electro-optice Contract : CEEX 44 / 2005, / 2005 – 2007, C932	Detector de infraroșu pe baza de straturi subțiri electroluminescente (supusa brevetării, OSIM nr. A00239 / 03.04.2007)	Apr.
292.	Proiect: ELMAG-SF: Structuri și dispozitive de microunde pe medii microprocesate cu selectivitate în frecvență. CEEX- INFOSOC, 2005-2008 Contract nr.31CEEX_I03/10.102005.	Modele funcționale EMBG prin microprocesarea substratului semiconductor, ceramic și/sau metalic	Apr.
293.	Proiect: Dezvoltare dispozitive optice micro și nano-structurate pentru procesarea optică a informației Contract CEEX nr.135 II 03/2006, act adițional 1/2007	Metode de proiectare-simulare 3D componente de micro și nano-optică	Mai
294.	Proiect: Dezvoltare dispozitive optice micro și nano-structurate pentru procesarea optică a informației Contract CEEX nr.135 II 03/2006, act adițional 1/2007	Metoda proiectare elemente optice difractive multinivel	Mai
295.	Proiect: Dezvoltare dispozitive optice micro și nano-	Model de proces de realizare	Mai

	structurate pentru procesarea optica a informatiei Contract CEEX nr.135 II 03/2006, act aditional 1/2007	elemente optice difractive din PDMS	
296.	Proiect: Proprietati optice ale materialelor nanostructurate Contract: CEEX modul II - nr. 5948/2006	Model fizic - Structura dielectrica compozita care prezinta permeabilitate permitivate si indice de refractie negativ	Mai
297.	Proiect: Studii avansate pentru caracterizarea optica a materialelor semiconductoare nanostructurate si a dispozitivelor CEEX Modul II Contract nr.11/2006-2008 Beneficiar: ANCS	Metoda de caracterizare a proprietatilor optice pentru nanomateriale semiconductoare inorganice si organice.	Mai
298.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicatii in diagnoza si tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Realizare model experimental intermediar senzori biologici magnetorezistivi	Iunie
299.	Proiect: Tehnologie pe baza de materiale nanostructurate pentru condensatori electrochimici cu strat dublu utilizabili la stocarea energiei electrice CEEX 2006 Contract Nr.310/13.09.2006	Proiect componente celula supercondensator	Iunie
300.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Studii experimentale privind sinteza pulberilor de fier incapsulat in carbon de dimensiuni nanometrice prin piroliza laser- caracterizare AFM	Iunie
301.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Proiectare model experimental dispozitiv de putere pe SiC si diamant	Iunie
302.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Modelare analitica si numerica si simulari ale nanotranzistorului SOI cu cavitare	Iunie
303.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Proiectare componente microfluidice pentru microprocesare chimica si biologica	Iunie
304.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Dezvoltarea modelelor fizice si numerice pentru abordarea problemei circuitelor micro-fluidice	Iunie
305.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Conceperea/ proiectare unui MEMS realizat cu structura SOI si canale difuzor/confuzor	Iunie
306.	Proiect: RTN-NANOEL: Retea tehnologica destinata integrarii Romaniei in Platforma Europeana de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	Proiectare/ simulare filtre si antene pentru RF	Iunie
307.	Proiect: RTN-NANOEL: Retea tehnologica destinata	Dezvoltarea unui mediu	Iunie

	integrării României în Platforma Europeană de NANOElectronica (ENIAC) CEEXII- Modulul 1-INFOSOC, 2006-2008 Contract CEEX –II, nr. 75/31.07.2006	software modular pentru descrierea de arhitecturi paralele neconventionale	
308.	Proiect: Dezvoltări de tehnologii mixte pentru micro/nano structuri și sisteme fotonice integrate cu aplicații în comunicații. FOTONTECH CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 16 I 03/2005	Model laborator procese de depuneri straturi subțiri de polimeri și hibridi	lunie
309.	Proiect: Dezvoltări de tehnologii mixte pentru micro/nano structuri și sisteme fotonice integrate cu aplicații în comunicații. FOTONTECH CEEX- INFOSOC - Contract 16 I 03/2005	Model laborator procese mixte de obținere structuri multistrat cu proprietăți spectrale selective	lunie
310.	Proiect: Microstructuri de senzori și actuatori destinate micropoziționării și micro-manipulării - mecanice și biologice, CEEX- INFOSOC, 2005-2008 Contract CEEX nr. 28 CEEX-I03 / 10.10.2005	Fisiere simulare stress în microgripere cu COVENTOR	lunie
311.	Proiect: MICRO-DIAG: Sistem microfluidic integrat pentru analiză in vitro a fluidelor biologice cu aplicații în diagnostic și tratament medical CEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEX nr. 27/10.10.2005	Realizare model experimental intermediar sistem de detecție și măsură	lunie
312.	Proiect: Protecția sănătății prin dezvoltarea de noi instrumente complexe de tip < laborator pe un chip > (TOOPROLAB), PNCDI, CEEX (2005-2008); Contract nr. 67/ 2005	ME Tehnologie de realizare a unui sistem pentru investigarea activității electrice a celulelor	lunie
313.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen și semiconductori de bandă largă pentru aplicații în domeniul comunicațiilor avansate” CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL II / 29 CEEX/2005	Layout modul de recepție pentru 77GHz bazat pe integrarea hibridă a unei antene Yagi-Uda având ca suport o membrană dielectrică, cu o diodă Schottky flip chip cu GaAs	lunie
314.	Proiect: ACOMEMS „Microsisteme integrate de tip RF MEMS realizate pe siliciu, galiu-arsen și semiconductori de bandă largă pentru aplicații în domeniul comunicațiilor avansate” CEEX: INFOSOC, 2005-2008 Contract: INFOSOC/MODUL II / 29 CEEX/2005	Flux tehnologic de procesare a receptorului integrat monolitic pe GaAs pentru 60 GHz	lunie
315.	Proiect: MICROLAB LABORATOR DE CARACTERIZARE AVANSATĂ A COMPONENTELOR ȘI CIRCUITELOR DE MICROUNDĂ ȘI UNDE MILIMETRICE (MICROLAB) Contract CEEX modul 4 nr. 233/10.08.2006	Model experimental de laborator de încercări pentru dispozitive pentru microundă pe placheta în banda de frecvență 0.5-65 GHz	lunie
316.	Proiect: Proprietăți optice ale materialelor nanostructurate Contract CEEX modul II - nr. 5948/2006	Model fizic de microstructuri de tip metamaterial realizate din carbura de siliciu și care prezintă proprietăți magnetice efective în domeniul de infraroșu îndepărtat	lunie
317.	Proiect: Dezvoltarea unui laborator de măsurări și testări optice și opto-electrice în acord cu cerințele directivei și normativelor europene / OPTOLAB Contract CEEX/Modul IV –nr. 97/ 10.08.2006	Metoda de determinare a constantelor optice și a grosimii mono și multistraturilor nanometrice prin elipsometrie spectrală.	Aug.
318.	Proiect: Lab-on-a-chip implementation of production processes for new molecular imaging agents (MI-lab-on-	Lay-out microfiltru	Aug.

	chip) Contract FP6 STRP 516984 PRIORITY 3 NMP		
319.	Proiect: BIO-EM-RF: Cercetari cu privire la interactia bio-electromagnetica si impactul biologic al expunerii umane in campuri electromagnetice de radiofrecventa si microunde. Contract nr. CEEEX 05-D11-54-P3 / 10.10.2005. IMT - Academia Fortelor Terestre „Nicolae Balcescu” Sibiu in cadrul CEEEX 2005.	Procedura de evidentierea efectelor biologice in urma expunerii probelor in medii controlate (conditii de laborator).	Aug.
320.	Proiect: Materiale Neconvenționale pentru Microtehnologie – Cercetare și Experimentare Microstructuri pe Baza de Elastomeri pentru Aplicații in Domeniul Microsistemelor CEEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEEX nr. 15 / 2005	Metoda de determinare a indicelui de refracție folosind presiunea luminii (supusa brevetarii, OSIM nr. A00668 / 26.09.2007	Sept.
321.	Proiect: Materiale Neconvenționale pentru Microtehnologie – Cercetare și Experimentare Microstructuri pe Baza de Elastomeri pentru Aplicații in Domeniul Microsistemelor CEEEX- Modulul 1-INFOSOC, 2005-2008 Contract CEEEX nr. 15 / 2005	Metoda de generare de unde acustice folosind presiunea luminii	Sept.
322.	Proiect: Lab-on-a-chip implementation of production processes for new molecular imaging agents (MI-lab-on-chip) Contract FP6 STRP 516984 PRIORITY 3 NMP	Lay-out componente de incalzire	Sept.
323.	Proiect: Tehnologie pentru realizare arii de imunosenzori miniaturizati pentru detectia ierbicidelor IMUNOSENSE – PN II, Directia 5, 2007-2010 Contract nr. 51-083 / 14.09.2007	Brevet inventie imunosenzori	Sept.
324.	Proiect: Dispozitive de microunde si unde milimetrice pe medii cu banda de frecventa interzisa (PBG) microprelucrate in ceramici si semiconductori. GRANT CNCSIS Contract nr. 27669/2005, A1/GR126/19.04.2006	Proiectarea unor structuri de dispozitive functionale de antene de microunde folosind configuratiile CLRH (metamateriale).	Sept.
325.	Proiect: ELMAG-SF: Structuri si dispozitive de microunde pe medii microprocesate cu selectivitate in frecventa. CEEEX- INFOSOC, 2005-2008 Contract nr. 31CEEEX_I03/10.102005.	Proiectarea unor structuri de dispozitive de microunde pe medii EMBG	Sept.
326.	Proiect: Tehnologii la scara nanometrica: fenomene de degradare in timp” Grant CNSIS, Contract nr. 22gr / 27.04.2006 cu Ministerul Educației si Cercetării - Autoritatea Nationala pentru Cercetare Stiintifica (MEdC-ANCS)	Baze de date pentru mecanisme de degradare tipice,	Sept.
327.	Proiect: Tehnologii la scara nanometrica: fenomene de degradare in timp” Grant CNSIS, Contract nr. 22gr / 27.04.2006 cu Ministerul Educației si Cercetării - Autoritatea Nationala pentru Cercetare Stiintifica (MEdC-ANCS)	Baze de date pentru tehnici de caracterizare microfizica	Sept.
328.	Proiect: Studii avansate pentru caracterizarea optica a materialelor semiconductoare nanostructurate si a dispozitivelor CEEEX Modul II Contract nr.11/2006-2008 Beneficiar: ANCS	Model experimental: Modele fenomenologice pentru generarea si recombinarea purtatorilor de sarcina in materiale semiconductoare nanostructurate.	Sept.