



## **CENTRE FOR TECHNOLOGY TRANSFER IN MICROENGINEERING (CTT-Baneasa)**

CTT-Baneasa was established by IMT-Bucharest in 2003 and was accredited as an autonomous entity in March 2006. The major mission of the Center is to develop the micro- nanotechnologies domain, by stimulating the technological transfer and innovation at national level, and by interacting with European entities.

CTT Baneasa must assure a critical amount regarding knowledge and technological transfer in the field of micro and nano engineering, taking in consideration only the offers from Romanian research entities regarding this field.

The Centre has adopted 4 driving *strategies* for continuously effective technology transfer and commercialization (marketing):

- identification of market needs by: market research, selection of target industries, and evaluation of technology trends;
- potential evaluation and effort driving in collaboration with the R&D groups to optimally address the real industrial needs and requirements, by: active contact, focused information feeding and informed advice;
- actively promoting the R&D outcome, by: identifying and participating in most relevant technology transfer and promotion events (exhibitions, innovation salons, conferences, seminars, brokerages, workshops), or encouraging the authors to attend; publishing newsletters through networking channels; creating and distributing promotion materials;
- leveraging (participation) in emerging opportunities, by: partnerships with technology transfer intermediaries worldwide; identifying/establishing/maintaining contact with decision factors from relevant enterprises and keeping them informed via focused electronic information materials

CTT- Baneasa has a key role as intermediary regarding valorification of the research projects obtained results.

Participation to fairs and exhibitions:

- Hannover International Industrial Fair HANNOVER MESSE, 21-25 April 2008, Hanover, Germany
- European Research and Innovation Exhibition in Paris (the fourth edition), 5- 7 June 2008, France
- International Inventors Exhibition from Croatia- ARCA, 16- 21 September 2008, Zagreb, Croatia
- INNOVA Exhibition- Bruxelles International Contest- EUREKA, dedicated to inventics, 13- 15 November 2008, Bruxelles (2 Gold Medals)
- INVENTIKA Exhibition 2008, 7- 11 October 2008, Bucharest (1 Gold Medal, 1 Silver Medal and 2 Bronze Medals)
- Research Exhibition 2008, 7- 11 October 2008, Bucharest
- Research Exhibition 2008, 20- 23 November 2008, Bacau, Romania



For these actions, CTT-Baneasa made advertising materials, identified and promoted services and technologies corresponding with the domains proposed for IMT, companies from MINATECH-RO park, and also, for the members of the suppliers and users of MNT knowledge network.

The presentation materials revealed essential elements as the scientific, technological and applicativ potential, the offered services, structures for technological transfer and activities of those structures, application domains and national and international projects reviews, human resources, patents portfolio, technological services offer and recent scientific and technological achievements with accent on the transfer, patenting and patentability potential. These materials were accompanied by exhibits from the domains and their technical sheets.

More details on: [www.imt.ro/ctt](http://www.imt.ro/ctt).

### The SMEs access to micro and nanotechnologies (IMT offer)

CTT-Baneasa provides part of the services from the IMT offer for SME's.

CTT-Baneasa is involved in the following activities:

- Information seminars (general or oriented to specific competitions) (home or abroad)
- The execution and dissemination of promoting informational materials (posters, flyers, calendars, notebooks ...)
- Electronic communication (webpage, database, e-newsletter) and media activities (journalism, radio, TV)
- The consolidation of the knowledge and technology transfer network in micro and nanotechnology domain, including information dissemination and events
- Possibility of accessing European funds, gaining the IMT and his experienced partners support.

### **Promoting, published**

Some events provided by CTT-Baneasa with logistic support (dissemination, promote, consultancy):

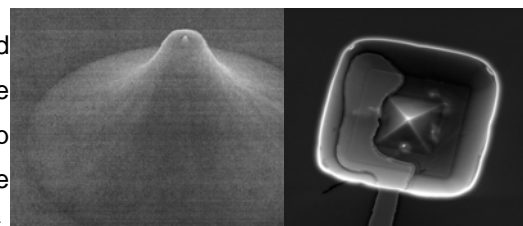
- **Day of the open gates IMT Bucharest**, an annual event organized at IMT headquarters.
- **“The opening of the IMT-MINAFAB micro- and nanofabrication facility”**, 9<sup>th</sup> April 2009, IMT headquarters. Public presentation of the IMT-MINAFAB facility (Center for Micro and NAnoFABrication) through IMT (INCD – Microtehnologie) offers his services to the partners from research, education and industry. IMT-MINAFAB provide scientific and technological services for the suppliers and knowledge users network developed by CTT-Baneasa. IMT-MINAFAB facilitates R&D common research projects and the direct access of the innovative companies to technology.  
CTT-Baneasa ensures the dissemination of the information about MINAFAB services and contributes to the growth of the number of potential Romanian user's through the MNT network support. Details at [www.imt.ro/MINAFAB](http://www.imt.ro/MINAFAB) . The facility has as model, the most advanced international centers. On 8<sup>th</sup> of May 2009, this facility was presented in **“New Materials, Micro- and Nanotechnologies: discover a good partner in Romania”** at Bruxelles, a promotion event organized by ROST – Romanian Office for Science and Technology from European Union.
- **“Informing the SME's about the possibilities of accessing high technology seminar”** CCIB headquarters.
- **“ROMNET-MINAFAB launch”** , Press conference 26 May 2009

The ROMNET-MINAFAB Network includes: INCD – Microtehnology Bucharest, INCD – Mechatronics and Measuring Technique Bucharest and INCD – Electrical Engineering CA.

The network, conceived as an occidental model, propose an complex of facilities for micro- and nanofabrication offering to the industry (like in France, Sweden, SUA)



**PATENTS.** CTT-Baneasa has a major portfolio in product and technology patents, brands in MNT domain. It is ensured the database maintenance, assistance for patent request statement, the follow up and the collaboration with OSIM and support for innovative achievements and opportunities promoting among partner SME's. (Details: [www.imt.ro/news/](http://www.imt.ro/news/) )



*Patented technology: individually addressable nanoelectrodes exposed via a special silicon microfabrication procedure. Applications: electrochemical cells with integrated electrodes for: electrochemical (bio)sensors; bioelectrochemistry (cell chemical studies); medicine (cell or tissue electrical activity studies);*

CTT-Baneasa is developing activities complementary to the IMT-MINAFAB Micro- and Nanofabrication Center for services, which is recently, became part of the IMT structure. This center is in charge with internal organization, considering the increase of diversity and complexity of services, the necessity to ensure a complex support infrastructure (climatic and cleaning conditions, pure fluids et.). The IMT-MINAFAB system ensure, among other things, the operation of some individual instrumentation from laboratories, the run of a service order system, the activity cost decrease, the intensive training and use of the personnel.

CTT-Baneasa drives a “**transfer of knowledge and technology network**” with over 60 groups of research or companies. The exchange of information between these entities is essential for exploiting all possibilities for cooperation and access to various financing sources (details on [www.imt.ro/ctt](http://www.imt.ro/ctt) ).

CTT-Baneasa is member of ReNITT, National Network for Innovation and Technological Transfer.  
Also CTT-Baneasa is the founding member of ARoTT, Romanian Association of Technology Transfer (AROTT).

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