

Titles of datasheets for R&D technologies and products presented by IMT-Bucharest at national and international innovation events and brokerages (2007-2011)

- 1. RF MEMS integrated microsystems for advanced communication applications based on Silicon, GaAs and wide band gap semiconductors**, Contact person: Dr. Alexandru Muller (alexandru.muller@imt.ro).
- 2. Monolithic integrated micromachined receiver based on MEMS technologies on GaAs for ground speed detection**, Contact person: Dr. Alexandru Muller (alexandru.muller@imt.ro).
- 3. 77 GHz Yagi-Uda antennae manufactured on 1.5µm thin dielectric membrane**, Contact person: Dr. Alexandru Muller (alexandru.muller@imt.ro).
- 4. Supports for Raman signal enhancement as applications in bio-nanodetection**, Contact person: Teodora Ignat (teodora.ignat@imt.ro)
- 5. Porous silicon-platinum based electro catalytic membrane for fuel cells**, Contact person: Mihaela Kusko (mihaela.kusko@imt.ro)
- 6. Rotary micro-viscosimeter**, Contact person: Marioara Avram(marioara.avram@imt.ro)
- 7. Position/proximity optical microsensor**, Contact person: Lucian Galateanu (lucian.galateanu@imt.ro)
- 8. Biosensor for detection and monitoring of some xenobiotics from wastewater biological effluents treatment**, Contact person: Lucian Galateanu (lucian.galateanu@imt.ro)
- 9. Nanostructured systems for bio molecules detection by SERS, SEIRS and fluorescence techniques**, Contact person: Irina Kleps
- 10. Micromatrix With White Light Emission For Indoor Illuminate Systems Applications**
Contact person: Ileana Cernica (ileana.cernica@imt.ro)
- 11. Sensor for tuberculosis detection configures on langasite substrate** Contact person: Ileana Cernica (ileana.cernica@imt.ro)
- 12. Cement-wood structure covered with nonmaterial polymeric matrix with tested antibacterial effect**, Contact person: Ileana Cernica (ileana.cernica@imt.ro)
- 13. Polymer-wood plates of disintegrated wood**, Contact person: Ileana Cernica (ileana.cernica@imt.ro)
- 14. CLRH transmission line antenna**, Contact person: Gheorghe Sajin (gheorghe.sajin@imt.ro)

- 15. Millimetre waves antenna on silicon based metamaterials**, Contact person: Gheorghe Sajin (gheorghe.sajin@imt.ro)
- 16. Reflexion conoscope based on new concept design and operation**, Contact person: Moagar-Poladian (gabriel.moagar@imt.ro)
- 17. Solar cell with “comb” like surface structure**, Contact person: Elena Manea (elena.manea@imt.ro)
- 18. Solar cells with high conversion efficiency**, Contact person: Elena Manea (elena.manea@imt.ro)
- 19. Micro-biosensor based on cyanobacteria photosynthesis inhibition for diuron detection**, Contact person: Lucian Galateanu (lucian.galateanu@imt.ro)
- 20. Circuit for inter-chip optical connections (integrated photodiodes with PMMA waveguides)**, Contact person: Dana Cristea (dana.cristea@imt.ro)
- 21. Microoptical Components**, Contact person: Dana Cristea (dana.cristea@imt.ro)
- 22. Impedimetric biosensor for organophosphorous pesticides detection**, Contact person: Carmen Moldovan (carmen.moldovan@imt.ro)
- 23. Microprobe for electrical activity monitoring of tissues and cells**, Contact person: Carmen Moldovan (carmen.moldovan@imt.ro)
- 24. Microbiosensor for ammonia and hydrogen sulfide detection from food degradation**, Contact person: Carmen Moldovan (carmen.moldovan@imt.ro)
- 25. Microprocessor receptor based on Ga-As MEMS technologies (with monolithic integration) for evaluating the speed of road cars**
- 26. Active magnetophoretic system for cell separation in magnetic field**, Contact person: Andrei Avram (andrei.avram@imt.ro)
- 27. Supercapacitor and process for its production**, Contact person: Vasile Obreja (vasile.obreja@imt.ro)
- 28. Static contactor for alternating current**, Contact person: Vasile Obreja (vasile.obreja@imt.ro)