

CENTRE FOR TECHNOLOGICAL TRANSFER IN MICROENGINEERING



CTT-BANEASA

CTT-Baneasa is an autonomous entity of the **National Institute for R&D in Microtechnologies (IMT-Bucharest)**. The Centre was initiated in 2003, received a provisional accreditation in 2004 and the final one at 1st of March, 2006.

The mission of the Centre is to contribute to the development of the micro- and nanotechnologies domain by stimulating the technological transfer and innovation at national level, with interactions at the European level.

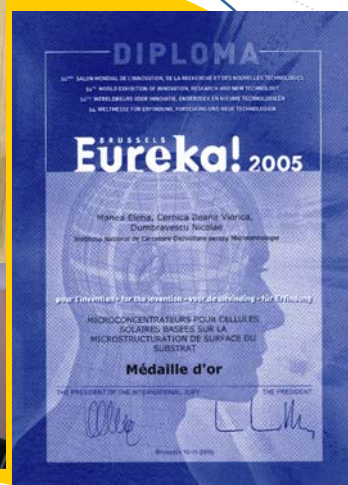
CTT-Baneasa should provide a critical mass for transfer of knowledge and technologies in the micro- and nano engineering domain, cumulating the offers coming from the Romanian research in the domain.

The activities developed by CTT-Baneasa are:

Facilitation of information exchange and partnerships (networking) by **setting up a network of suppliers and users for the technological transfer and innovation in the micro- and nanotechnologies domain;**

- Promoting the access to characterisation, design and technological services of IMT and its partners from the country and abroad, including also the assurance of "one-stop shop" services, for companies interested in the micro and nanotechnologies domain;
- Assistance and consultancy in business, including reliability studies, for "start-ups", "spin-offs" and other innovative companies;
- Reliability and marketing studies;
- Consultancy and assistance in problems related to protection of industrial property;
- Services of technological audit for small and medium enterprises and innovative enterprises;
- Services of information, documentation and training, including practical training in using technological equipments, characterisation equipments or simulation and computer aided design programmes, and also in technological processing (individual technological processes and technologies design);

The initial offer of technology transfer comes from IMT, following a number of contracts financed from national programmes and a number of patents, some of them awarded at international exhibitions (see the Figure)



Medaille D'Or, Microconcentrateur pour cellules solaires bases sur la microstructuration de surface du substrat, E. Manea, I Cernica, N. Dumbravescu, EUREKA! 2005, 19 November 2005, Brussels

Contact data: CTT-Baneasa (www.imt.ro/ctt);
Phone/Fax: 021-490 82 36; E-mail: info-ctt@imt.ro;
Address: 126 A, Erou Iancu Street, Bucharest, 077190.
Conventional mail delivery: C.P. 38-160, Bucharest 023573.

CTT-Baneasa will play an essential role in providing the services for the scientific park MINATECH-RO and for any other customer from Romania and abroad. The spectrum of technological services was considerably expanded through recent investments in new equipments. In providing services, IMT also collaborates with the Chamber of Commerce and Industry of Romania, University "Politehnica" of Bucharest, S.C. ROMES S.A. The collaboration will be extended also to other partners which will provide services for the Centre, including the companies resident in the Science park MINATECH-RO).

The Centre also will contribute to the access to microsystem technologies in the frame of the European system EUROPRACTICE, IMT being partner of the European consortium INTREGAM+, developing new services in micro- and nano- technology (FP6 IP, starting in 2005). This system includes facilities and high level expertise which allow a complete assistance for companies (a "one-stop" shop): from product to project, prototype and batch production and manufacturing. IMT has experience in such activities from earlier EU project (MST-Systems, 2003-2005), related to technology transfer from the EUROPRACTICE system. This project was carried out with the "MST Design" consortium (mostly companies from UK, but also IMEC, Belgium).

In order to promote CTT-Baneasa and the Science park MINATECH-RO, IMT organized at the Chamber of Commerce and Industry of Romania, on 7th of December, 2005 a workshop devoted to "Access to micro- and nanotechnologies" (see the figure). The event was focused on the facilities provided to SMEs and opportunities open by the direct and indirect use of the new technologies. This event was attended by about 75 people from industry and research.



Workshop on 7th of December, 2005, CCIRB

The IMT-GTZ contract starting October 1st, 2005 (the Romanian-German Centre for micro and nano-technologies) allows development of pilot activities for technological transfer in Romanian industry. The launching of the Romanian-German Centre for Micro- and Nanotechnologies took place on 15th of February 2006, at the Romanian Chamber of Commerce and Industry (see the Figure). Other events organized by this Centre are devoted to specific industries (textile, wood, automotive).

At the same time, CTT-Baneasa is assembling a network of providers and users of knowledge and technologies in the same field of micro- and nanoengineering. This network has now 63 partners (research groups from institutes and universities, companies, non-governmental organisations). As far as the field of applications is concerned, these partners are interested in Sensors (48%), electronics industry (44%), materials such as powders, carbon nanotubes, polymers, composites (36%), life sciences (31%), metrology/instrumentation (27%), as well as technology of surfaces, solar cells, communications etc.



Launching of the Romanian-German Centre for Micro- and Nanotechnologies (15th of February 2006)