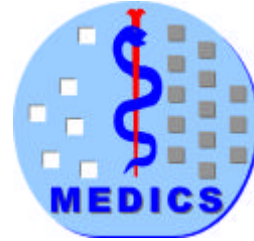


# MEDICS

Access to Expertise and Technologies



## MEDnews 2/2000 July 6, 2000

Welcome to the MEDnews 2/2000, this year's second electronic newsletter of MEDICS, the European Centre of Competence for Biomedical Microdevices. MEDnews is sent four times per year to a continuously growing number of friends and partners of MEDICS. The current distribution list contains more than 700 recipients.

In October 1997, MEDICS was launched in the framework of the European initiative 'Europractice'. MEDICS is hosted by the Fraunhofer Institute for Biomedical Engineering IBMT in Sulzbach (D) and by the Centro Nacional de Microelectronica CNM in Bellaterra (E). Since 1999, MEDICS has been operating as a profit centre at IBMT.

MEDnews provides you with information on services and activities related to development and application of biomedical microdevices.

--> For further details of MEDICS' services and activities, please visit:

<http://www.medics-network.com>

--> Are you interested in receiving future issues in html?

Email: [medics@medics-network.com?subject=html\\_MEDnews](mailto:medics@medics-network.com?subject=html_MEDnews)

--> Do you want to be deleted from this mailing list?

Email: [medics@medics-network.com?subject=unsubscribe\\_MEDnews](mailto:medics@medics-network.com?subject=unsubscribe_MEDnews)

--> Former issues of MEDnews can be downloaded at:

<http://www.medics-network.com/download/>

Yours sincerely

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----- M E D n e w s 2/2000 - July 6, 2000 -----

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Topics

1. MEDICS in Progress
2. News on MEDICS' Partners
3. Second Workshop 'Micropackaging'
4. Upcoming Events

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1. MEDICS in Progress

MEDICS' new internet pages enjoy great popularity within the 'biomedical community'. Since March 2000, we have counted more than 8900 hits on our web page. Just recently, we added a download area to our pages that provides you with publications, current services and former MEDnews of MEDICS.

More information: <http://www.medics-network.com/download/>.

We offer you our exposed internet sites as your marketing tool. If you want to advertise in the scene of biomedical microdevices, you should check our PR-Services package at <http://www.medics-network.com/download/>.

Examples of advertising can be found at:

<http://www.medics-network.com/network/>  
<http://www.medics-network.com/MEDsearch/>

We provide development support by researching readily available components and products (e.g. pressure sensors, microfluidic devices, miniaturised devices for self-diagnostics and home monitoring). On the basis of MEDICS' European project 'Intecs' (see announcement in MEDnews 1/2000), we offer a 'first step support'-research free of charge.

More information:

Email: [medics@medics-network.com?subject=MEDnews\\_FirstStepSupport](mailto:medics@medics-network.com?subject=MEDnews_FirstStepSupport)

Current major contracts of MEDICS:

In May 2000, MEDICS has started the project 'Developments in Biomedical Devices - Regional Strategy Concepts in Saxonia



(Germany)' under contract of the State government of Saxonia. The project is a follow-up of a study on scientific and industrial biomedical potentials in Saxonia which was carried out by MEDICS last year.

A study into in-vivo applications of biomedical microdevices was started in April under contract of a leading US company and was successfully completed in June.

At the beginning of this year, the Korean Government has launched the long-term 'Intelligent Microsystem Programme (IMP)'. The development of an endoscopic microcapsula is one of two major topics within the programme.

Under the management of MEDICS, IBMT has been invited to join IMP as a 'Foreign Project Partner'. In June, the contract for the conceptual phase of the proposed project 'Development of a Miniaturised Ultrasound Based Telemetric Transducer for Diagnostic Endosystems' has been signed. This project is a good basis to build up a strategic partnership between MEDICS, the development teams at IBMT and the Korean 'Intelligent Microsystem Centre (IMC)' in Seoul.

For reference, please visit:

<http://www.microsystem.re.kr/english/frame3.htm>

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## 2. News on MEDICS' Partners

The MEDICS partner Bartels Mikrotechnik GmbH introduces its new nano titer plate programme. Cylindrical nano titer plates made of white or black polycarbonate with various pitches and well diameters are readily available.

Due to the fabrication with Europe's best excimerlaser system, even customised nano titer plates can be fabricated in a very short time and for a reasonable price.

More information:

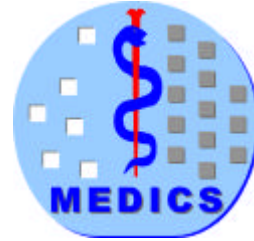
Dr. Michelsen, Email :

[michelsen@bartels-mikrotechnik.de?subject=MEDnews\\_Nanotiter\\_Plates](mailto:michelsen@bartels-mikrotechnik.de?subject=MEDnews_Nanotiter_Plates)

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## 3. Second Workshop 'Micropackaging'

On December 5, 2000, the second workshop on 'Micropackaging and Interconnection Technologies for Innovative Biomedical Devices' will take place in Germany. The intention of the workshop is to introduce trends in industrial biomedical device developments and to present advanced micropackaging and interconnection



technologies. This year, one session of the workshop will focus on the topic of cochlear implants. If you are interested in giving a presentation or in participating in the workshop, please send an email to

[medics@medics-network.com?subject=MEDnews\\_Workshop\\_Micropackaging](mailto:medics@medics-network.com?subject=MEDnews_Workshop_Micropackaging).

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#### 4. Upcoming Events

Fraunhofer IBMT at the World Congress on Medical Physics and Biomedical Engineering, July 23-28, 2000, Chicago (USA):

Different presentations on implantable neural stimulators, implantable nerve cuff electrodes and a measurement set-up for the evaluation of electrical field distribution of multichannel electrodes.

More information:

<http://www.wc2000.org/>

MEDICS will be present at SMIT 2000, the 12th International Conference of the Society for Minimally Invasive Therapy. The conference will take place from 6-9 September in Gelsenkirchen, Germany. In co-operation with SMITROB, the SMIT work group for robotics and microsystems in minimally invasive therapy, a NEXUS user-supplier club meeting 'biomedical' will be organised in order to initiate a road map activity (MST in surgical instrumentation, catheters & implantable devices). Interested organisations should contact via email:

[medics@medics-network.com?subject=MEDnews\\_NEXUS](mailto:medics@medics-network.com?subject=MEDnews_NEXUS).

More information on SMIT and NEXUS:

<http://www.smit.de/>

<http://www.nexus-emsto.com/NEXUS/index.html>

Fraunhofer IBMT at MICRO.tec 2000, September 25-27, 2000, Hannover (D):

Different presentations on microfluidics, implantable microdevices and telematic homecare.

More information:

<http://www.vde.com/vde/html/d/veranst/microtec/microtec.htm>

----- MEDnews 2/2000 - Thank you very much for your attention -----