

CALL FOR PAPERS
CONTACT



Abstract and Paper Submission

Authors are invited to submit **either a structured abstract in English** (300 words maximum) **or a conference paper in English** (4 pages maximum). Both, abstracts and (optional) conference papers must be submitted by **March 14th, 2014** using exclusively the templates available on the website www.bmt2014.de > Call for Papers. The abstracts and the conference papers will be peer-reviewed and if accepted will be published online as supplement of the journal "Biomedical Engineering" by Walter de Gruyter in the regular volume. Both accepted abstracts conference papers will be submitted to Pub-Med for free access. Please see further details at: www.bmt2014.de.

■ **Deadline of abstract submission:**^{1,2} **March 14th, 2014**

■ **Abstract notification:** **May 19th, 2014**

1 After the deadline submitted titles and author names cannot be changed.

2 Each author or presenter is allowed to submit up to 2 abstracts.

DGBMT Students Competition

The DGBMT asks students for presenting their results from research projects or diploma theses. The best contributions are awarded certificates and prizes (posters and presentations in a separate process).

1. Prize: 1000 EUR, 2. Prize: 600 EUR, 3. Prize: 400 EUR

These submissions are subject to the same peer review process and will undergo an additional evaluation based on quality, degree of innovation and presentation of the scientific-technical work.

Conference venue

Hannover Conference Centre (HCC)
Theodor-Heuss-Platz 1-3
30175 Hannover
Germany

Conference office

VDE Conference Service
Stresemannallee 15, 60596 Frankfurt/Main
Germany
Phone +49 (0) 69 6308-477, Fax +49 (0) 69 6308-144
E-mail: vde-conferences@vde.com

ORGANIZERS

German Society for Biomedical Engineering within VDE (DGBMT within VDE e.V.)

www.vde.com/dgbmt

Hannover Medical School

www.mh-hannover.de

SFB 599 – Sonderforschungsbereich 599

www.sfb599.de

COMMITTEES

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BMT – Biomedical Technology/ Biomedical Engineering

**BMT
2014** 

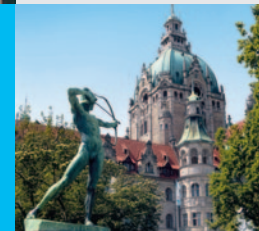
**48th DGBMT ANNUAL CONFERENCE
October 8-10, 2014**

HANNOVER



**Hannover Congress Centre (HCC)
Theodor-Heuss-Platz 1-3
30175 Hannover**

www.bmt2014.de



MHH
Hannover Medical School

 **Sonderforschungsbereich 599
Biomedizintechnik**

DGBMT GERMAN SOCIETY FOR BIOMEDICAL
ENGINEERING WITHIN VDE

VDE



GREETING

The Collaborative Research Centre SFB 599 Biomaterial Engineering “Sustainable bioresorbable and permanent implants of metallic and ceramic materials” is an interdisciplinary research alliance between the Hannover Medical School (MHH), the Leibniz University Hannover, the University of Veterinary Medicine Hannover Foundation (TiHo), Laser Centre Hannover e.V. (LZH), Braunschweig Technical University and the Helmholtz Centre for Infection Research (HZI) in Braunschweig. This alliance will be the host of the BMT 2014, the 48th annual conference of the German Society for Biomedical Engineering (DGBMT within VDE). Medical implants are the main focus of the conference and reflect the principal themes of the collective scientific institute of the academies of Hannover, NIFE – Lower Saxony Centre for Biomedical Engineering, Implant Research and Development. Fundamental research, applied research, clinical research and medical application on a high level represent the whole range of research and developmental processing in cooperation with worldwide leading industrial partners.

Medical scientists, mechanical engineers and natural scientists are welcome to conduct an intensive dialogue on the newest scientific conclusions and to discover the best ways for translation from science to practice. Interdisciplinary communication, socialising and brainstorming are long standing traditions of these conferences.

The venue of the BMT 2014 is located at the Hannover Conference Centre (HCC). Biomedical Engineering flourishes mainly due to the intensive communication network between the users, consisting of the clinical physicians, practitioners and the patients. Progress in the ever increasing complex environment of Biomedical Engineering is one of the topics of this conference.

We are honoured to introduce and welcome you to the BMT 2014 in Hannover.

Prof. Prof. h.c. Dr. med. Thomas Lenarz

Chairman Department of Otorhinolaryngology, Medical University of Hannover; Chair of the DGBMT and Chair of the BMT 2014



TOPICS

The main topic **Medical Implants** will be represented in sessions on biomaterials, modelling, in vitro and in vivo testing, chemical application and data, long term risks and stability, complication rates and future strategies to improve function and safety. Future trends and novel implants will be the topic of a round table.

Papers and posters are requested from all other fields of **Biomedical Engineering** as well, such as:

- **Automation Technology for Medical Applications**
- **Biomaterials and Biocompatibility**
- **Biomechanics and Orthopaedics Technology**
- **Biomedical Micro and Nano Systems**
- **Biosensors and Bioanalytics**
- **Biosignal Processing**
- **Cellular-, Tissue- and Bioengineering**
- **Clinical and Ambulatory Monitoring**
- **Clinical Engineering and Hospital Technology**
- **Devices and Systems for Surgical Intervention**
- **Diagnosis and Therapy Systems**
- **Health Robotics**
- **Imaging and Image Processing**
- **Intelligent Assistance Systems**
- **Laboratory Diagnostics and POCT**
- **Medical Information Systems and Management**
- **Medical Technology and Society**
- **Modelling and Simulation**
- **Personalized Medical Technology**
- **Prosthetics and Rehabilitation Engineering**
- **Quality Management and Regulatory Affairs**
- **Telemedicine, eHealth, mHealth, Home Care**
- **Training and Further Education for Engineers and Physicians**
- **Usability and Risk Management**



EXHIBITION & SPONSORING

Become a partner of the BMT 2014 and present your company or institute at the most important conference in the field of medical engineering in Germany

Exhibition

Present your products, services and research expertise to decision makers at hospitals and from industry at the trade exhibition

Sponsoring

Present yourself as a sponsor of the BMT 2014. We offer different sponsoring options and will be pleased to assist you with your personal conceptual ideas.

Networking

The BMT 2014 comprises several networking parts of the event, including get together, networking and recruiting events.

Recruiting

Take advantage of the opportunity to get in touch with students, graduates and young scientists at recruiting events.

Seminars

Discussion on specific issues can be deepened and presented to the medical community at seminar events.

The conference secretariat will be pleased to deal with your questions and wishes:

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