



The main hot topics of this year's BMT are **Artificial Intelligence and Personalised Medicine**.

❖ Track Personalised Medicine

△ Track Artificial Intelligence

- ❖△ Aus- und Weiterbildung
- ❖△ AUTOMED
- △ Bildgestützte navigierte Intervention
- ❖ Biomaterialien und medizinische Implantate
- ❖△ Biosignale
- ❖△ Digitalisation in Medicine
- ❖ Endoskopie, Chirurgische Instrumente und Telemanipulatoren
- ❖△ Geschäftsmodelle Intelligenter Assistenzsysteme
- ❖△ Implantierbare Assistenzsysteme
- ❖△ Informationsverarbeitung in Medizin und Biowissenschaften
- △ Magnetische Methoden in der Medizin
- ❖ Medizintechnik in der MRT
- △ Methodik der Patientenüberwachung
- ❖ Mikro- und Nanosysteme
- △ Mobile Diagnose- und Therapiesysteme
- ❖△ Neuroprothetik und Intelligente Implantate
- ❖△ Optische Verfahren in der Medizintechnik
- ❖ Rehabilitationstechnik
- △ Ultraschall in der Medizin
- ❖△ Usability für die Medizintechnik

▪ Track Free Topics

- Artificial Intelligence and Deep Learning
- Augmented and Virtual Reality
- Biohybrid Medical Systems
- Biomaterials and Biocompatibility
- Biomechanics
- Biomedical Micro and Nano Systems
- Biosensors and Bioanalytics

- Biosignal Processing
- Cellular-, Tissue- and Bioengineering
- Clinical and Ambulatory Monitoring
- Clinical Engineering
- Computer Assisted Surgery
- Cyber Medical Systems
- Digital Operating Room
- Medical Technology and Society
- First-in-Human-Trials
- Image Processing
- In vivo-Imaging
- Intelligent Assistance Systems
- Laboratory Diagnostics and POCT
- Medical Automation Technology
- Medical Decision Support
- Medical Implants
- Medical Information Systems and Management
- Medical Lasers
- Medical Wearables
- Microscopy
- Minimal Invasive Surgery
- Modelling and Simulation
- Nanomedicines and Theranostics
- Neurotechnology
- Optics and Medicine
- Model Guided Therapy
- Precision and Personalized Medicine
- Rehabilitation Technology and Prosthetics
- Regulatory Affairs, Quality Management, Ethics
- Radiotherapy
- Surgical Navigation and Robotics
- Telemedicine, eHealth, mHealth, Home Care
- Training and Education
- Usability, Risk Management, Patient Safety

BMT 2019 Conference Chairs

Professor Jens Hauelsen
Technische Universität Ilmenau

Professor Thomas Lenarz
Medizinische Hochschule Hannover

Christian Otto Erbe
Erbe Elektromedizin GmbH

Important Dates

Deadline of submission of unstructured abstracts	March 22, 2019
Notification of acceptance for abstracts	May 02, 2019
Deadline of submission of conference papers	May 30, 2019
Notification of acceptance for full paper publication	July 15, 2019
Registration deadline for presenting authors	July 30, 2019

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Abstract and Paper Submission

All authors are invited to submit an unstructured abstract (approximately 300 words; maximum 1 page). The abstracts will be peer-reviewed and if accepted published online in a supplement issue of the journal 'Biomedical Engineering / Biomedizinische Technik' by De Gruyter. The published abstracts will be available online on the De Gruyter website (free access).

In addition, authors are invited to submit an optional conference paper (2 – 4 pages). The conference paper will be peer-reviewed and if accepted published online in the open access journal "Current Directions of Biomedical Engineering" by De Gruyter. Accepted conference papers will be available online on the De Gruyter website (open access).

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 oral presentations in a separate process).

1. Prize: 1000 EUR
2. Prize: 300 EUR
3. Prize: 200 EUR

Places 1 - 10 each receive a copy from the textbook series Biomedical Engineering.

The 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.

The best 10 papers are assessed by the jurors during the running sessions of the BMT conference and the winners determined. The other finalists receive a participation certificate.

Conditions of participation: for details please visit our website: www.bmt-congress.de

Sign up for the Exhibition and Sponsoring!

The BMT 2019 will be held in English. The Conference will be accompanied by an exhibition which is well appreciated from the conference delegates. It gives all attendees and exhibiting companies enough space for networking.

Exhibitors will present their latest products related to praxis in the field of biomedical engineering.

Take advantage of 1:1 discussions, of interaction bemanufacturers, producers, and decision makers.

Place your company on the first stage, by creating a communication area during the coffee and lunch breaks as well as during the Get Together.

Select the best place for your booth in the foyer and directly in front of the conference rooms.

Benefit from our networking opportunities and media conception of the conference.

Sponsoring

You would like to be present with your company without attending the exhibition?

We offer you interesting sponsoring opportunities. Please contact us by e-mail at hatice.altintas@vde.com or by phone at: +49 69 63 08 477.

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Venue

Johann Wolfgang Goethe-Universität Frankfurt
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