



# BMT 2020

29.09. – 01.10.2020 | Leipzig

54TH DGBMT ANNUAL CONFERENCE  
ON BIOMEDICAL ENGINEERING

## Focus topics

- Artificial Intelligence
- Personalized Medicine
- Medical Device Regulation

## Tracks and Track Chairs

### ▪ Assisted Living

*Kurt Becker, Catherine Disselhorst-Klug, Klaus-Peter Hoffmann, Werner Kneist, Marc Kraft, Kevin Pfaffner, Christina Rode-Schubert*

### ▪ Aus- und Weiterbildung

*Marc Kraft, Ute Morgenstern, Karsten Seidl*

### ▪ Automation in Medicine

*Berno Misgeld, Thomas Schauer, Olaf Simanski*

### ▪ Bildgestützte navigierte Intervention (PM)

*Heinrich-Martin Overhoff, Thomas Schmitz-Rode*

### ▪ Biomaterials and Implants

*Valentine Gesché, Stefan Jockenhövel, Katrin Sternberg*

### ▪ Biosensorik, Bioanalytik

*Frank T. Hufert, Hendrik Kohlhoff, Gerald Urban*

### ▪ Biosignale (KI + PM)

*Thomas Schanze, Gudrun Stockmanns, Sebastian Zaunseder*

### ▪ Digitisation in Medicine

*Martin Braecklein, Petra Knaup-Gregori, Christian Weigand*

### ▪ Hygiene

*Clemens Bulitta*

### ▪ Imaging

*Andreas Melzer, Steffen Tretbar*

### ▪ Magnetics Methods in Medicine

*Jens Haueisen, Andreas Melzer, Gregor Schaefers*

### ▪ Medical Photonics

*Christoph Hornberger, Werner Nahm, Stephan B. Sobottka, Thomas Wittenberg*

### ▪ Medical Robotics

*Andreas Melzer, Thomas Wittenberg*

### ▪ Medizintechnik und Gesellschaft

*Arne Manzeschke*

### ▪ Modelbased Therapy and Modelbased Diagnostik

*Knut Moeller, Thomas Neumuth, Klaus Radermacher, Oliver Amft*

### ▪ Neuroprothetik und Intelligente Implantate (PM + KI)

*Steffen Rosahl, Thomas Stieglitz, Walter-Gerhard Wrobel*

### ▪ Patient Monitoring (KI)

*Karsten Hiltawski, Jens Mühlsteff*

## Congress Chairs

Andreas Melzer, MD, DDS, Leipzig University  
Thomas Neumuth, PhD, Leipzig University

## Preliminary Clinical Committee

Nora Jahn, MD (Anesthesiology)  
Stefan Rasche, MD (Anesthesiology)  
Sebastian Stehr, MD (Anesthesiology)  
Andreas Reske, MD (Emergency Medicine)  
Michael A. Borger, MD (Cardiac Surgery)  
Thilo Noack, MD (Cardiac Surgery)  
Gerhard Hindricks, MD (Cardiology)  
Ulrich Laufs, MD (Cardiology)  
Karsten Lenk, MD (Cardiology)  
Rainer Haak (tbc), DDS (Dentistry)  
Sebastian Hahnel (tbc), DDS (Dentistry)  
Bern Lethaus (tbc), MD, DDS (MaxFax)  
Andreas Dietz, MD (ENT)  
Thomas Lenarz, MD (ENT)  
Hubertus Feußner, MD (General Surgery)  
Marcus Hollenbach, MD (Internal Medicine)  
Ines Gockel, MD (Visceral Surgery)  
Albrecht Hoffmeister, MD (Endoscopy)  
Bahriye Aktas, MD (Gynaecology)  
Jens-Uwe Stolzenburg, MD (Urology)  
Ulrich Thome, MD (Neonatology)  
Arno Villringer, MD (Neurology)  
Jürgen Meixensberger, MD (Neurosurgery)  
Harald F. Busse, PhD (MRI Radiology)  
Timm Denecke, MD (Radiology)  
Tim-Ole Petersen, MD (Interventional Radiology)  
Bernhard Sattler, PhD (Medical Physics, NUK)  
Ulrich Wolf, PhD (Medical Physics & Radiation Therapy)  
Osama Sabri, MD (Nuclear Medicine)  
Rolf-Dieter Kortmann, MD (Radiooncology)  
Florian Lordick (tbc), MD (Oncology)  
Jürgen Müller, MD (Ultrasound)  
Christoph Josten, MD (Orthopaedics)  
Georg Osterhoff, MD (Orthopaedics)  
Andreas Roth, MD (Orthopedics Prosthetics)  
Daisy Rotzoll (tbc), MD (Skills Lab Medical School)

## Organizers

German Society for Biomedical Engineering  
in the VDE (DGBMT)  
[www.vde.com/dgbmt](http://www.vde.com/dgbmt)

Innovation Center Computer Assisted Surgery (ICCAS),  
Faculty of Medicine, Leipzig University  
[www.iccas.de](http://www.iccas.de)

## Important Dates

Deadline of submission of abstracts .....	March 15, 2020
Deadline of submission of papers (optional) .....	March 15, 2020
Notification of acceptance for abstracts/Papers .....	May 15, 2020
Deadline of submission of updated conference papers .....	June 15, 2020
Notification of acceptance for full paper publication .....	July 15, 2020
Registration deadline for presenting authors .....	July 30, 2020



## Abstract and Paper Submission

All authors are invited to submit an 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](http://www.bmt-congress.de)**

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## Sign up for the Exhibition and Sponsoring!

The BMT 2020 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 be manufacturers, 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](mailto:hatice.altintas@vde.com) or by phone at: +49 69 63 08 477.

## Conference venue

Leipzig University  
Campus Augustusplatz, Neues Augusteum  
Augustusplatz 10  
04109 Leipzig  
Germany

## Contact

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