

# CALL FOR PAPERS



## BMT 2023

26. – 28.09.2023 | Rhein-Ruhr

57TH DGBMT ANNUAL CONFERENCE  
ON BIOMEDICAL ENGINEERING  
INCLUDING ARTIFICIAL VISION 2023  
The International Symposium  
on Visual Prosthetics

### Dear Colleagues,

on behalf of the VDE DGBMT, the local organizing committee, and the scientific committee, we are delighted to invite you to the 57th Annual Conference of the German Society for Biomedical Engineering taking place from **26. - 28.09.2023 in Duisburg, Germany.**

The annual conference is one of the largest platforms for scientists, physicians, engineers, researchers, students, and young professionals to exchange knowledge and experiences of the latest biomedical trends and findings.

This upcoming conference will be held under a set of themes such as medical translation, patient-centered medicine, regulatory affairs, healthcare sustainability, deep medicine, and technical sovereignty. Another main focus of the conference is the promotion of young talents, interaction onsite and networking. Therefore, we are once again looking forward to a lively participation.

We are proud to announce the Artificial Vision 2023 - The International Symposium on Visual Prosthetics as a satellite event from 25. - 26.09.2023. The Artificial Vision is an interdisciplinary forum which brings together researchers of all disciplines of visual prostheses and neuro-biology. One-third of all German biomedical companies are based in North Rhine-Westphalia. Our conference will take place in the heart of the Rhine-Ruhr area, located at the Mercatorhalle Duisburg.

Several universities, clinical partners, and industry partners will be an integral part of the conference and will have the opportunity to actively participate in the conference program by hosting a symposium or joining our large interactive exhibition.



### We are looking forward to your contribution!

Join us in Duisburg 2023!  
Glück auf!

*Gudrun Stockmanns and Karsten Seidl*  
Congress Presidents

### IMPORTANT DATES

#### March 31, 2023

Submission deadline of abstracts and conference papers

#### May 20, 2023

Notification of abstract acceptance and paper decision

#### June 05, 2023

Submission deadline for revised conference papers

#### June 16, 2023

Notification of final paper decision

#### July 01, 2023

Submission deadline for camera ready papers

#### July 20, 2023

Registration deadline for presenting authors

# Abstract and paper submission

All authors are invited to submit a structured abstract (300 words). 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 (open access).

In addition, authors are invited to submit an optional conference paper (2 – 4 pages). The conference papers will be peer-reviewed and, if accepted, published online in the journal “Current Directions in Biomedical Engineering” by De Gruyter (open access). Accepted conference papers submitted for the „Artificial Vision 2023 - The International Symposium on Visual Prosthetics “ will be published in a separate special issue.

The submission system will open on January 19, 2023. Both abstracts and conference papers must be submitted by March 31, 2023, using the structured submission form and the provided templates.

[www.bmt2023.de/authors/call-for-papers/](http://www.bmt2023.de/authors/call-for-papers/)

## Student competition

The BMT organizers ask students to present their results from research projects or theses. The best contributions will be awarded with certificates and prizes. The submissions (conference papers obligatory) 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.

## Young Forum BMT

In addition to the conference program, an educational and networking event for graduate and PhD students as well as young professionals will take place the day before the conference, organized by VDE Young Net in cooperation with DGBMT.

## Starting-up rocks – Start-up pitches

Start-ups are invited to submit unstructured abstracts (approximately 300 words). Selected start-ups can present their innovation in the start-up pitch session.

## Healthcare meets Engineering – symposium tracks

Physicians and engineers are invited to submit unstructured abstracts (approximately 300 words) for use cases, symposiums and podiums discussions.

## Sponsoring and exhibition

During the congress, generous exhibition space will be available for presenting companies, institutions, clinics and others. All conference breaks will take place in the exhibition areas. Thus, the exhibition will be well visited by the conference participants and offers optimal networking conditions. In addition, we offer attractive sponsoring packages.



### Contact

Conference Office  
office@bmt2023.de  
[www.bmt2023.de](http://www.bmt2023.de)



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## Hot Topics and Challenges

- Medical translation
- Patient-centred medicine
- Regulatory affairs
- Healthcare sustainability
- Deep medicine
- Technical sovereignty

## Tracks

- Additive Manufacturing and Bioprinting
- Biomaterials and Biocompatibility
- Model-based automated Medical Technology systems
- Biosignal Analysis and Data Aggregation
- Devices and Systems for Surgical Interventions
- Digital Health and Care
- Education and Training
- Hospital Engineering
- Imaging Technologies and Analysis
- Magnetic Methods
- Micro- and Nanosystems
- Neural Implants and Engineering
- Methods of Artificial Intelligence
- Rehabilitation Technology
- Optical Systems and Biomedical Optics
- Medical Device Compliance and Regulatory
- Human factors
- Robotics and Society

## Venue

Mercatorhalle Duisburg / City Palais  
König-Heinrich Platz  
D-47051 Duisburg