Conference Chair

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Conference Office

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Local Organisation

Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School: Thomas M. Deserno, Leonie Heisig, Paulo Haas, and Julian Bollmann

Supraregional Organisation

Katharina Breininger	Universität Würzburg
Thomas Deserno	TU Braunschweig
Heinz Handels	Universität zu Lübeck
Andreas Maier	FAU Erlangen-Nürnberg
Klaus Maier-Hein	DKFZ Heidelberg
Christoph Palm	OTH Regensburg
Thomas Tolxdorff	Charité – Universitätsmedizin Berlin

Supporting Associations

- Deutsche Gesellschaft für Computer- und Roboterassistierte Chirurgie (CURAC)
- Deutsche Arbeitsgemeinschaft für Mustererkennung e.V. (DAGM)
- Fachgruppe Medizininische Informatik der Deutschen Gesellschaft für Biomedizinische Technik (DGBMT) im Verband Deutscher Elektrotechniker (VDE)
- AG Medizinische Bild- und Signalverarbeitung der Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie (GMDS) und der Gesellschaft für Informaik (GI)
- IEEE Joint Chapter Engineering in Medicine and Biology, German Section

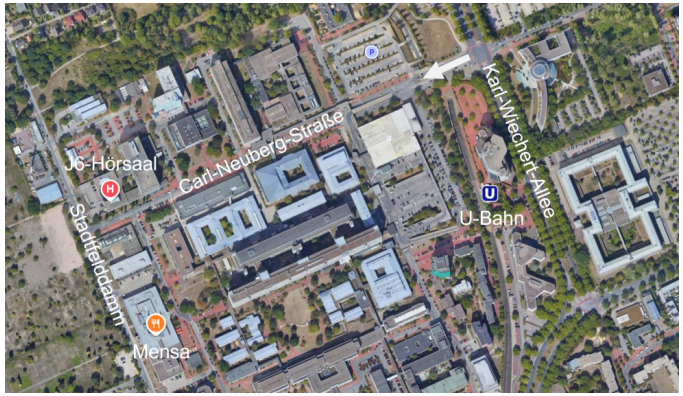
Dates

09.10.2026	Deadline for submissions
13.11.2026	Notification of authors
13.12.2026	Deadline for print-ready submissions
21.01.2027	End of reduced conference fees
21.01.2027	Deadline for BVM-Award applications
10.02.2027	Binding registration for the tutorials
14.03.2027	Tutorials
15.–16.03.2027	Conference

Conference Location

Hannover Medical School
Carl-Neuberg-Str. 1
30625 Hannover

Location Plan



Registration

Please register early. On 09.10.2026, The procedure will be announced at `https://bvm-conf.org/`.

Fees

Registration	Fee to 21.01.27	from 22.01.27
Students until 25 years	50 €	75 €
Member of supporting associations	200 €	250 €
Regular participant	250 €	300 €
Social event regular	60 €	60 €
Social event students	30 €	30 €
Tutorials regular	75 €	75 €
Tutorials students	50 €	50 €

Industry

Industrial sponsorships co-finance the conference. An industry exhibition and job fair are planned. If you are interested, please contact the conference office.

Call for Papers

German Conference on Medical Image Computing

Bildverarbeitung für die Medizin

14. – 16. March 2027, Hannover

Organiser

Peter L. Reichertz Institute for Medical Informatics

of TU Braunschweig and Hannover Medical School

Supporting Associations

Aims

Medical image computing is the key technology for modern image-based diagnostics and surgical support. The German-speaking community has been meeting at the BVM conference (German conference on Medical Image Computing, Bildverarbeitung für die Medizin) since 1993.

The conference aims to present current research results and to deepen discussions between representatives of the medical, computer and technical sciences, industry and clinical application. The conference is also explicitly aimed at young scientists who wish to report on their Bachelor's or Master's projects. Contributions from European colleagues are also welcome. Although English and German are equal congress languages, English has largely prevailed in the lectures and poster presentations.

Topics

Artificial intelligence and machine learning play a particularly important role. Nevertheless, the topics of the conference cover all areas of medical image processing, in particular algorithms, hardware and software systems and their clinical application:

- Machine learning and artificial intelligence
- Convolutional Neural Networks and Deep Learning
- Generative Models and Transformer Networks
- Imaging and image acquisition, e.g., MRT, CT, ...
- Visible light, endoscopy, microscopy
- Image segmentation and image analysis
- Image registration and fusion
- Visualization and animation
- Anatomical atlases
- Time series analysis
- Secure exchange of medical image data
- Patient-specific simulation and planning
- Computer-aided diagnosis
- Virtual / Augmented Reality
- VR simulators and haptic 3D interaction
- Biomechanical modeling
- Computer-assisted intervention
- Instrument and patient localization and tracking
- Computer-aided operation planning
- Clinical application of computer-aided systems
- Validation and quality assurance
- Image-supported robots, surgical simulators
- Free topics

Program Committee

Marc Aubreville, Hochschule Flensburg
Siming Bayer, FAU Erlangen-Nürnberg
Katharina Breininger, Universität Würzburg
Thomas Deserno, TU Braunschweig
Jan Ehrhardt, Universität zu Lübeck
Sandy Engelhardt, Universitätsklinikum Heidelberg
Lina Felsner, TU München/Helmholtz Zent. München
Friedrich Feuerhake, Medizinische Hochschule Hannover
Nils Forkert, University of Calgary, Canada
Michael Götz, Universitätsklinik Ulm
Horst Hahn, Fraunhofer MEVIS, Bremen
Heinz Handels, Universität zu Lübeck
Tobias Heimann, Siemens Healthcare GmbH, Erlangen
Mattias Heinrich, Universität zu Lübeck
Anja Hennemuth, Charité – Universitätsmedizin Berlin
Alexander Horsch, The Arctic Univ. of Norway, Tromsø
Jana Hutter, Leibniz Universität Hannover
Dagmar Kainmüller, MDC Berlin
Bernhard Kainz, FAU Erlangen-Nürnberg
Timo Kepp, DFKI Lübeck
Ron Kikinis, Harvard Medical School, Boston, USA
Andreas Kist, FAU Erlangen-Nürnberg
Dagmar Krefting, Universitätsmedizin Göttingen
Andreas Maier, FAU Erlangen-Nürnberg
Klaus Maier-Hein, DKFZ Heidelberg
Lena Maier-Hein, DKFZ Heidelberg
Andre Mastmeyer, Jade Hochschule Wilhelmshaven
Dorit Merhof, Universität Regensburg
Jan Modersitzki, Fraunhofer MEVIS, Lübeck
Dominik Müller, Universität Augsburg
Nassir Navab, TU München
Steffen Oeltze-Jafra, Hannover Medical School
Christoph Palm, OTH Regensburg
Bernhard Preim, OvG Universität Magdeburg
Annika Reinke, DKFZ Heidelberg
Karl Rohr, Universität Heidelberg
Daniel Rückert, TU München
Sylvia Saalfeld, UKSH, Campus Kiel
Dennis Säring, FH Wedel
Julia Schnabel, TU München/Helmholtz Zent. München
Ingrid Scholl, FH Aachen
Stefanie Speidel, HZDR/NCT Dresden
Nicolai Spicher, Technical Univ. of Denmark, Copenhagen
Thomas Tolxdorff, Charité – Universitätsmedizin Berlin
Klaus Tönnies, OvG Universität Magdeburg
Hristina Uzunova, Greifswald University Medicine
Gudrun Wagenknecht, Forschungszentrum Jülich
René Werner, UKE Hamburg
Matthias Wilms, University of Michigan, Ann Arbor, USA
Heinrich Winther, Hannover Medical School
Thomas Wittenberg, Fraunhofer IIS Erlangen
Ivo Wolf, Hochschule Mannheim

Presentation Types

Orals Current research results are presented and discussed in scientific lectures (12 min + 3 min discussion). Optionally, we are happy if a poster is also created for the oral content in order to promote 1-on-1 discussion.

Poster and software demonstrations Poster presentation (A0, portrait format) and software demonstrations enable intensive discussions and personal contact.

Keynotes We are pleased to announce keynotes by:
— Andrea Schenk, Fraunhofer MEVIS, MHH
— Matthias Wilms, University of Michigan, USA

Contributions

Presentations can take the form of a lecture, a poster, or a software demonstration. Submission and format templates are available at `https://bvm-conf.org/`. Three independent reviewers from the program committee evaluate all original papers.

Original papers Papers should be 6 to 8 pages. Beginning with page 9, each additional page will incur a fee of 270 € (incl. VAT). Accepted contributions will be published as long versions in the conference proceedings of the *Informatik Aktuell* series by Springer Verlag, Berlin.

Abstracts The abstract format comprises one page and allows the submission of interesting contributions that have already been published elsewhere or are accepted for publication. Abstracts will appear in the conference proceedings with title, authors and abstract only.

Special Issue Outstanding scientific contributions from BVM 2027 will be invited to publish an advanced paper in a special issue of Frontiers in Digital Health.

Awards and Honors Awards are given for the best papers (3 awards, original papers only), best oral presentation (Pitt-Meinzer-Award), and best poster or software demonstration. In a further application process, the BVM-Award will be announced for the best final thesis in the field of medical image computing (Bachelor, Master, PhD, Habilitation). The BVM-Award 2027 is endowed with 2.000 €, sponsored by the company Nexus/Chili.

Social Event

On Monday, March 15, 2027, a social event will take place at 19:00, to which all conference participants are cordially invited. Over food and drinks, there will be plenty of opportunity to get to know one another in person and exchange ideas.