



FRIDAY | 28 APRIL 2017

- 9.00 Registration
- 10.00 Welcome & Introduction
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- 10.15 **SESSION 1: Introspections in Surgery and Research**
Chair: **Ron Kikinis**, Boston/Bremen
 - ▼ *Ingredients for Innovation in Neurosurgery* | **Andreas Raabe**, Bern
 - ▼ *Model-Based Computer-Assisted Therapy: Requirements, Use Cases, Benefits* | **Thomas Neumuth**, Leipzig
 - ▼ Comment: **Christian Hansen**, Magdeburg
 - ▼ Discussion
 - Session Observer: **David Black**, Bremen
 - ▼
- 11.15 Coffee Break
- ▼
- 11.30 **SESSION 2: Technological Visions, Clinical Demands, Usability Challenges**
Chair: **Stefan Zachow**, Berlin
 - ▼ *Designing Tools* | **Carola Zwick**, Berlin
 - ▼ Response: **Rebekka Lauer**, Berlin
 - ▼ *Confocal Laser Endomicroscopy – Clinical, Usability and Technical Challenges on the Way Towards Real-Time Digital Pathology* | **Christoph Hauger**, Oberkochen
 - ▼ *Want Good Usability and UX? Aim at the Heart of Users, Technology and Demand* | **Johannes Schäfer**, Stuttgart
 - ▼ Comment: **Anna L. Roethe**, Berlin
 - ▼ Discussion
 - Session Observer: **Philipp Landgraf**, Berlin

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- 13.00 Lunch Break
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- 14.00 **Roundtable Practice Confrontations**
with **Alexandra J. Golby**, Boston | **Ron Kikinis**, Boston/Bremen | **Heinz U. Lemke**, Berlin | **Marc Ruta**, Gelsenkirchen | **Markus Schade**, Berlin/Munich | **Peter Vajkoczy**, Berlin
 - ▼
- 15.00 Coffee Break
- ▼
- 15.30 **SESSION 3: Post-Concept: Clinical Evaluation and Iteration**
Chair: **Christian Hansen**, Magdeburg
 - ▼ *Development of Technology for Measurements on the Brain* | **Tormod Selbekk**, Trondheim
 - ▼ *Augmented Reality in Image-Guided Neurosurgery: From Bench to Bedside* | **Marta Kersten-Oertel**, Montreal
 - ▼ *Fast and Agile Clinical Evaluations in Image-Guided Surgery* | **Rainer Birkenbach**, Munich
 - ▼ Comment: **Igor Sauer**, Berlin
 - ▼ Discussion
 - Session Observer: **Sarah Diner**, Berlin
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- 17.00 **Reception** at the Lecture Hall Ruin, Berlin Museum of Medical History
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- 17.30 **Evening Keynote: About >The Roads Not Taken<: Alternative Innovation in Surgery and the Slow Acceptance of Surgical Gloves** | **Thomas Schlich**, Montreal
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- 18.30 **Dinner** at the Lecture Hall Ruin, Berlin Museum of Medical History

SATURDAY | 29 APRIL 2017

- 10.00 **SESSION 4: Lab Cultures and Lab Insights**
Chair: **Matthias Bruhn**, Berlin/Karlsruhe
 - ▼ *Progress Report on Engineering Prototypes of Medical Systems with Clinicians* | **Felix Fehlhaber**, Berlin

- ▼ *The Surgical Lab: Bringing Together What Belongs Together* | **Thomas Picht**, Berlin
 - ▼ Comment: **Karin Krauthausen**, Berlin
 - ▼ Discussion
 - Session Observer: **Matthias Planitzer**, Berlin
 - ▼
- 11.15 Coffee Break
- ▼
- 11.30 **SESSION 5: Patient Perspective and Technical Discourse**
Chairs: **Anne Letsch**, Berlin | **Kirsten Ostherr**, Houston
 - ▼ Intro: *Patient Narratives and Data Visualization* | **Kirsten Ostherr**, Houston
 - ▼ *Media Shift in Surgery* | **Aud Sissel Hoel**, Berlin/Trondheim
 - ▼ *CyberKnife: Robotic Radiosurgery and the Patient Between Hopes and Fears* | **Markus Kufeld**, Berlin
 - ▼ *Listening to the Patient* | **Karla Zaar**, Graz
 - ▼ Discussion
 - Session Observer: **Denny Chakkalakal**, Berlin
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- 13.00 Lunch Break
- ▼
- 14.00 **SESSION 6: Future Collaboration Models**
Chair: **Jordan Amadio** | Atlanta
 - ▼ Intro: *The Role of the Neurosurgeon in Technology Innovation* | **Jordan Amadio**, Atlanta
 - ▼ *Jumping on the Shoulders of Giants: How to Develop Desirable Experiences with Domain Experts* | **Marion Fröhlich**, **Konrad Roepke**, Potsdam
 - ▼ *A Key to Sustainable Success: Innovative Technologies and Collaboration* | **Laura Ziegler**, Tuttlingen
 - ▼ *Efficient Operating Room (Staff)-Industry Cooperation Determines Neurosurgery 3.0* | **Marcus Czabanka**, Berlin
 - ▼ Discussion
 - Session Observer: **Christian Hansen**, Magdeburg
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- 15.00 Wrap-Up & Final Discussion
Chairs: **Rebekka Lauer**, **Thomas Picht**, **Anna L. Roethe**, Berlin
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- 16.00 Farewell

REGISTRATION

Online registration required at imagine-surgery.org/registration/

VENUE

A: Auditorium at the CharitéCrossOver building, Virchowweg 6, D 10117 Berlin
B: Lecture Hall Ruin, Berlin Museum of Medical History, Virchowweg 16, D 10117 Berlin

MORE INFORMATION:
imagine-surgery.org