

Together with

Nürnberg, Germany 2020

MedtecLIVE

Connecting the medical technology supply chain

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ONLINE!

Digital Technologies

Effective Manufacturing

Artificial Intelligence

Connected Health

Clinical Innovations

Regulatory Affairs

bayern  innovativ

June 30 - July 2, 2020  
[www.medtech-summit.com](http://www.medtech-summit.com)

Bavarian Ministry of Economic Affairs,  
Regional Development and Energy



# Invitation



**Hubert Aiwanger, MdL**

Bavarian State Minister of Economic Affairs,  
Regional Development and Energy  
Deputy Bavarian Prime Minister

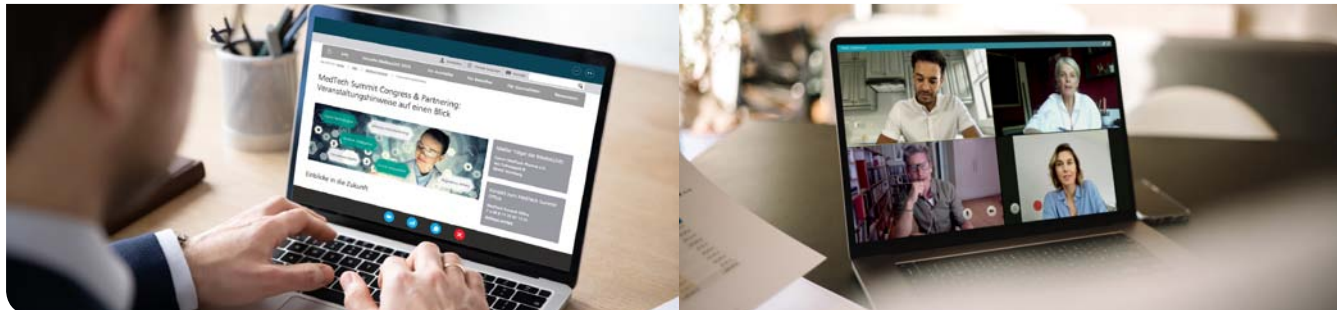
Medical technology is one of the most exciting and important high-tech industries in the Bavarian economy. Fascinating and complex technical solutions face the highest demands in terms of safety and reliability. Bavarian companies take on a high level of responsibility: with their innovative products, they contribute to high-quality and efficient healthcare.

Bavaria is in an excellent position in this sector: a broad corporate landscape from start-ups to global corporations, universities with international standing and the highest level of healthcare. This gives us an excellent basis in Bavaria to continue boosting growth and employment with a high degree of innovation. As the Bavarian State Government, we support this successful development with targeted and sustainable measures.

The current challenges in medical technology require a professional and agile approach. A constant exchange is extremely important. In close cooperation between research and industry, the opportunities arising from technology and future trends such as artificial intelligence, robotics or digitalization can be utilized.

With the MedTech Summit Congress & Partnering and the trade fair MedtecLIVE, we have created one of the most important European networking meetings of the medical technology and healthcare industry in Bavaria. This year newly developed content and orientation will further fuel cooperation and innovation. I cordially invite you to Nuremberg from 31 March to 2 April 2020 to actively help shape the successful future of the healthcare economy and medical technology in Bavaria!

Maintain and expand your contacts at our event and lay the foundation for your future business through targeted exchange.



Meet international partners and cooperating network organisations.



**Prof. Dr. Thomas Armin Schildhauer**

Chairman of the Executive Committee  
Forum MedTech Pharma e.V.

Healthcare is currently undergoing a far-reaching transformation process. It is undisputed that digital innovation is profoundly changing both, care models and technical approaches. In this context there is discussion, how artificial intelligence, robotics, and automation really contribute to a better care – and where these technologies have limits. How will digital approaches in medical imaging and surgery shape the future? What relevance do these changes have for research, medical device industry, and clinical practice? Listen to expert opinions on these issues and exchange your experience with specialists at MedTech Summit 2020.

The challenges facing the medical device industry are also subject of discussion at the congress: increasing regulatory requirements, infrastructural challenges and efficiency demands in manufacturing. Solutions such as digital clinical trials, mobile tools, and additive manufacturing methods will be discussed.

For the first time, the MedTech Summit will be embedded in the MedtecLIVE trade fair in 2020. This enables the fusion of technological and market-relevant innovation trends with real-life application scenarios. In addition, the established networking format “MedTech Summit Partnering” offers the opportunity for in-depth exchanges with pre-selected partners in arranged meetings.

Come to Nuremberg from 31 March to 2 April and be involved when the future of medicine is shaped!

**Dr. Rainer Seßner**

CEO  
Bayern Innovativ GmbH



# Program at a Glance

Tuesday, June 30, 2020

Wednesday, July 1, 2020

Thursday, July 2, 2020

Future Trends  
Digital Technologies

Major Challenges  
Regulatory Affairs

Future Trends  
Clinical Innovations

Major Challenges  
Connected Health

Future Trends  
Artificial Intelligence

Major Challenges  
Effective Manufacturing

09:00										
10:15	<b>Welcome</b>									
10:30			MedTech Summit Partnering	MedteclIVE			MedTech Summit Partnering	MedteclIVE		
11:00	<b>Apps &amp; Wearables</b>	<b>MDR – Practical Implementation</b>			<b>Surgery 4.0</b>	<b>Remote Care &amp; Rural Health</b>			<b>AI-Supported Diagnostics &amp; Therapies</b>	<b>Processes &amp; Sustainability</b>
12:30										
14:00	<b>Robotics &amp; Automation</b>	<b>Clinical Data &amp; Digital Tools</b>			<b>Medical Imaging</b>	<b>Interoperability &amp; IT Infrastructure</b>			<b>Use of Data &amp; Implications</b>	<b>Additive Manufacturing</b>
16:00										
17:00										

This year all our offerings and networks will be held digital!

The variety of participants from company representatives to scientists and clinical users is a unique feature of the congress.



Expand your network and take advantage of the varied offerings of the MedTech Summit and the MedteclIVE.



# FUTURE TRENDS

Tuesday, June 30, 2020

Room 1

## Digital Technologies

### 10:30 Apps & Wearables

#### Quantified Health – from Fitness Trackers to Value-Based Precision Medicine

**Dr. Christian Münzenmayer**

Head of Image Processing and Medical Engineering Department, Fraunhofer IIS, Erlangen

#### Wireless Connectivity for Medical Apps and Wearables

**Lorandt Foelkel**, Technology Ambassador & Engineer at Heart

**Michael Lang**, Field Sales Engineer – Wireless Connectivity & Sensors

Würth Elektronik eiSos GmbH & Co. KG, Waldenburg

#### In-Ear Wearable for Healthcare Applications

**Dr. Johannes Kreuzer**

COSINUSS GMBH, Munich

#### Best-Practice and Future Requirements for Medical Wearables

**Stefan Winter**

Senior Scientist, Collaborative Care Solutions, Philips GmbH Innovative Technologies, Aachen

### 12:30 Break – Networking Time

### 14:00 Robotics & Automation

#### Robotics in the Modern Rehabilitation of Spinal Cord Injury

**Dr. Doris Maier**

Director of Department, Spinal Cord Injury Center, BGU Murnau

#### Putting Patients at the Heart of Rehabilitation

**Dr. Alexander Kollreider**

CTO / CSO / Founder, Tyromotion GmbH, Graz, Austria

#### Robots at the Heart of Clinical Interventions

**Lionel Schaal**

Stäubli Tec-Systems GmbH

### 16:00 Networking Time



# MAJOR CHALLENGES

Tuesday, June 30, 2020

Room 2

## Regulatory Affairs

### 10:30 MDR – Practical Implementation

#### MDR: State of Play and the Biggest Challenges from a Notified Body's Perspective

**Harald Rentschler**

CEO, mdc medical device certification GmbH, Stuttgart

#### Under Pressure – How the MDR Will Affect Medical Software Development

**Hannes Mühlberg**

Manager Regulatory Affairs, Infoteam Software AG, Bubenreuth

#### Risk Management Under MDR

**Malte Stöckert**

CEO, StingOrg GmbH, Bremen

#### The Quality Agreement – a Marriage Contract Between Economic Operators

**Dr. Franziska Baumgarten**

Senior Partner, AstraCon GmbH, Tübingen

### 12:30 Break – Networking Time

### 14:00 Clinical Data & Digital Tools

#### Digital Innovation Around Clinical Trials

**Dr. Wolfgang-Moritz Heupel**

Global Director Digital Health Solutions, Novartis Pharma AG, Nuremberg

#### MDR Compliant: How AI Will Help Automating Clinical Trials and Improving Data Quality

**Frank T. Trautwein**

CEO, Raylytic GmbH, Leipzig

#### Defibrillators and the MDR: Reign of the Clinical Investigation?

**Dr. Georg Luegmair**

Team Leader Electrical Stimulation, Corscience GmbH und Co KG, Erlangen

#### UDI and Labeling – Do I Need to Prepare Myself for This?

**Diana Hohage**

Senior Manager Regulatory Affairs, qtec Services GmbH, Lübeck

### 16:00 Networking Time



# FUTURE TRENDS

Wednesday, July 1, 2020

Room 1

## Clinical Innovations

10:00 Registration

10:30 Surgery 4.0

### Smart Surgery – from Technical Fascination to Medical Outcome

**Prof. Dr. Konrad Karcz**

Department of General, Visceral, and Transplant Surgery  
Ludwig-Maximilians-University, Munich

### Opportunities and Challenges in Robot Assisted Microsurgery

**Dr. Ilker Soydan**

CEO, Microsure B.V., Eindhoven, Netherlands

### Robotics in Cardiac Surgery

**Marc Toland**

President and CEO at Corindus Vascular Robotics, Waltham, USA



### Augmented Reality in the Operating Room: Solutions and Future Challenges

**Prof. Dr. Christian Hansen**

Department of Simulation and Graphics, Otto-von-Guericke University, Magdeburg

12:30 Break – Networking Time

14:00 Medical Imaging

### Advanced Methods in X-Ray Imaging – from X-Ray Physics to Biomedical Applications

**Prof. Dr. Julia Herzen**

Biomedical Imaging Physics  
Physics Department & Munich School of BioEngineering Technical University of Munich

16:00 Networking Time



# MAJOR CHALLENGES

Wednesday, July 1, 2020

Room 2

## Connected Health

10:00 Registration

10:30 Remote Care & Rural Health

### Living at Home with Digital Assistance: Chances and Opportunities for Elderly People, Healthcare Providers and Payers

**Prof. Dr. Arno Elmer**

CEO, Better@Home Service GmbH, Berlin

### Progress in Telecardiology

**Dr. Claudio Gomez Portaleoni**

Sales & Solution Manager – Enterprise Services Deutschland  
Siemens Healthineers AG, Erlangen

### From Ecosystem to Economics – Who Connects the Patient?

**Dr. Dominik Pförringer**

Specialist in Orthopedics, Munich

12:30 Break – Networking Time

14:00 Interoperability & IT Infrastructure

### Interoperability and Open Platforms for a Successful Digitalisation

**Dr. Nils Hellrung**

General Manager, Vitagroup AG, Mannheim

### Digital Engineering Meets Digital Health

**Prof. Dr.-Ing. Sandro Wartzack**

Head of the Machine Elements Department, Friedrich-Alexander University, Erlangen

### Healthcare Powered by AI and IoT in a Secure Environment

**Peter Eggen**

Head of Ecosystem, IBM Watson IoT Center, Munich

### New Digital Healthcare Applications Realised by Extended Reality

**Ralf Scheid**

CEO and Founder, Pion One AG, Zirndorf

### “Smart Cocoon” – Healthcare meets Automotive

**Antoine Boilevin**

Head of accelerator program & user-centered studio. CarLab co-founder. Valeo S.A., Plateau de Saclay, France



16:00 Networking Time



# FUTURE TRENDS

Thursday, July 2, 2020

Room 1

## Artificial Intelligence

10:00 Registration

10:30 AI-Supported Diagnostics & Therapies

### The Digital Revolution in Cardiology – from Single Molecules to Whole Organ Simulations

**Prof. Dr. Benjamin Meder**

Board of Directors Informatics for Life & Deputy Medical Director,  
Department of Cardiology, Angiology, Pneumology & Head  
Institute for Cardiomyopathies Heidelberg, University Hospital Heidelberg

### Machine Learning Approaches in Diabetes Therapy

**Dr. Bernd Schneidinger**

International Business Lead, Strategy & Customer Solutions, Roche Diabetes Care GmbH,  
Mannheim

### Artificial Intelligence & Deep Learning in Medical Imaging

**Sandeep Kaushik**

MR Research, MR Applied Science Laboratory Europe, GE Healthcare GmbH, Munich

### AI Assistance Systems for Cancer Surgery

**Prof. Dr. Stefanie Speidel**

Translational Surgical Oncology, National Center for Tumor Diseases (NCT) Dresden

12:30 Break – Networking Time

14:00 Use of Data & Implications

### Making AI Apps Usable in Medical Practice – the German Health Reality Lab Network

**Prof. Dr. Thomas Zahn**

CEO, Data Science Institute, bbw Hochschule & CEO, DCC Risikoanalytik GmbH, Berlin

### AI and Ethics in Health & Ageing Innovation

**Dr. Paul Timmers**

Chief Advisor EIT Health & Research Associate, Department of Politics and International  
Relations, University of Oxford, UK & Visiting Professor, University of Rijeka, HR

### Legal Challenges Regarding the Use of AI in Medical Device Technology

**Prof. Dr. Alexandra Jorzig**

IB Hochschule & Jorzig Rechtsanwälte, Berlin

### Artificial Intelligence: How to Fulfill Regulatory Requirements

**Prof. Dr. Christian Johner**

Director, Johner Institut GmbH, Constance

16:00 Networking Time



# MAJOR CHALLENGES

Thursday, July 2, 2020

Room 2

## Effective Manufacturing

10:00 Registration

10:30 Processes & Sustainability

### Smart Factory Strategy - Best Practices and Approach

**Alexander Nathaus**

Porsche Consulting GmbH

### Empowering the Digital Workforce: How New Technologies Like Augmented Reality Transform Sustainable and Effective Production

**René Zöfl**

Parametric Technology GmbH

### AI Supported Manufacturing Processes for Medical Devices

**Felix Georg Müller**

Plus10 GmbH

### AI in Practice: Automatic Collection and Analysis of Process Chain Data Under Consideration of MDR

**David Haferkorn**

Business Development, Symate GmbH, Dresden

12:30 Break – Networking Time

14:00 Additive Manufacturing

### How 3D-Printing Revolutionized the Hearing Aid Industry

**Dr. Hinrich Wiese**

Head of Resin R&D, Dreve ProDiMed GmbH, Unna

### Digital Workshop for Prosthetics & Orthotics

**Jannis Breuninger**

COO, Mecuris GmbH, Munich

### Additive Manufacturing for Patient Specific Implants

**Daniel Seiler**

Leader Medical Additive Manufacturing Lab, University of Applied Sciences and  
Arts Northwestern Switzerland, Muttenz, Switzerland

### Bioprinting for Regenerative Medicine: Fact & Fiction

**Dr. Christophe A. Marquette**

3d.FAB Coordinator, UMR5246, University of Lyon I, Villeurbanne, France

16:00 Networking Time



# MEDTECH SUMMIT PARTNERING

## MedTech Summit Partnering – Digital face to face meetings

The partnering event enables efficient B2B networking – take advantage of the many opportunities to get in contact with exhibitors, participants and speakers. In addition to a **live chat option**, you can also contact each other via **video call** and arrange appointments approx. one week before the event begins. During the event, all contact options will then be available to you live.

### How do I take part at the Partnering and how does it work?

As a registered participant, you will receive an e-mail approx. seven days before the virtual Partnering event begins, so that you can start „onboarding“. Add your matching criteria to your profile and find your suitable discussion partners and exhibitors. Put together your personal agenda in advance and familiarize yourself with the platform. In the info on onboarding you will also receive further information on how to use all functions.

MedTech-Summit  
Congress and Partnering

Together with

Nürnberg, Germany 2020

MedtecLIVE

Connecting the medical technology supply chain



## General Information

- > **this year digital**
- > **Event Date**  
**MedTech Summit Congress**  
 June 30 - July 2, 2020  
 10:30 - 16:00  
**MedTech Summit Partnering**  
 June 30 - July 2, 2020  
 09:00 - 17:00  
**MedtecLIVE**  
 June 30 - July 2, 2020  
 09:00 - 17:00
- > **Language**  
 English
- > **Organisation and Realisation MedTech Summit**  
 Bayern Innovativ GmbH  
 Am Tullnaupark 8  
 90402 Nuremberg
- > **Contact to MedTech Summit Office**  
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 info@medtech-summit.de
- > **Organiser MedTech Summit**  
 Bavarian Ministry of Economic Affairs,  
 Regional Development and Energy
- > **Honorary Sponsor**  
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 Am Tullnaupark 8  
 90402 Nuremberg
- > **Registration for participation MedTech Summit & MedtecLIVE**  
<https://www.medteclive.com/en/visitors/tickets/ticketshop>
- > **Contact to MedtecLIVE Office**  
 +49 911-8606-8544;  
 medteclive@nuernbergmesse.de
- > **Information on the Congress Program**  
[www.medtech-summit.com](http://www.medtech-summit.com)

## Media Partners



Bavarian Ministry of Economic Affairs,  
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