



European Campus Rottal-Inn, Pfarrkirchen, Germany

DigiHealthDayS-2024

GLOBAL LOOK AT DIGITAL HEALTH -
FROM THE HEART OF EUROPE

14 - 15 NOVEMBER 2024

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TO THE DIGIHEALTHDAYS-2024

DigiHealthDay (DHD) is a Global Forum for Education, Research, Innovation, and Networking in Digital Health, with the theme “Global Digital Health – today, tomorrow, and beyond.” It is organized and hosted by European Campus Rottal-Inn of the Deggendorf Institute of Technology (DIT-ECRI), together with its partners, sponsors, and donors.

VISION and MISSION

The mission of the **DigiHealthDay: Global Forum for Education, Research, Innovation, and Networking in Digital Health**, is to build a multi-stakeholder **DIALOGUE** and serve as an **INTERFACE** between the Global Digital Health Community and the wider society; to foster development and delivery of impactful digital solutions for real-life health and wellness problems; to enhance mutual understanding among all stakeholder groups; to ensure safe, secure, and ethical implementation; and to drive sustainable adoption to promote longer lives and better health for all.

Motto 2024:

*From Data and Information to
Knowledge and Wisdom*

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DIGITAL HEALTH NEWS

Build.Well.Being
Digital Health Networking

2024 Sept/13
St. Pölten UAS





Dipak Kalra, PhD, FRCGP, FBCS (United Kingdom)

Head of Health Informatics, University College London
International Invited Chair, Scientific Session Host
Leads the development of CEN (European Committee for Standardisation) and ISO (International Organisation for Standardisation) standards on EHR interoperability, personal health records, EHR requirements

**Interactive Discussion:
“AI Needs High-Quality Health Data at Scale - will the EHDS Deliver?”**

Dipak Kalra, Professor at University College London, UK, plays a leading international role in research and development of Electronic Health Record architectures and systems, including the requirements and models needed to ensure the robust long-term preservation of clinical meaning and protection of privacy. He leads the development of CEN (European Committee for Standardization) and ISO (International Organization for Standardization) standards on EHR interoperability, personal health records, EHR requirements, and has contributed to several EHR security and confidentiality standards. Dipak has led multiple Horizon 2020 and IMI projects in these areas, alongside pharma companies, hospitals, patient and professional organisations and ICT companies.

His current projects include the generation and acceptance of real world evidence in pregnancy, the governance of patient-centric clinical trials, scaling up the quality, interoperability and the reuse of health data for research, the readiness of hospitals to generate evidence for value based care, and a new initiative to explain the value of research using health data to the public. Dipak is President of the European Institute for Innovation through Health Data (www.i-HD.eu) and President of the European Institute for Health Records (www.eurorec.org), which is the coordinator or a partner in many EC projects on electronic health record quality and systems accreditation, interoperability and the uses of health data for research. EuroRec leads a network of national ProRec Centres which promote good quality EHR system adoption across Europe. Dipak is a member of multiple standards bodies including BSI Group, CEN, ISO and HL7-UK (International HL7 Implementations). Dipak was a founding Director of the openEHR Foundation, a not-for-profit company which exists to promote and publish, via the Web, the formal specification of requirements for electronic health record information, supporting development of open specifications for health information systems. Dipak's innovations in EHR architectures have been spun out into a company: Helicon Health, providing cardiovascular chronic disease management services across London.

CHAIRS

SCIENTIFIC CHAIR



Horst Kunhardt, PhD, Prof. Dr. biol. hum. (Germany)

Director of the European Campus Rottal-Inn,
Deggendorf Institute of Technology

Horst Kunhardt, MSc, PhD (Computer Science and Human Biology) (born March 15, 1959, in Germany) is the Vice President of Health Sciences at the Deggendorf Institute of Technology (DIT) in Bavaria, Germany, and the Director of its European Campus Rottal-Inn. A renowned specialist in Healthcare IT with extensive European and international experience, he has experience as Chief Information Officer at a tertiary hospital and at the University Computing Center, where he implemented multiple health IT projects and clinical information systems in multi-professional environments.

Since 2004, Prof. Kunhardt has been a professor in Operational and Application Systems and Health Management. He lectures in numerous bachelor and master programs in both German and English on topics including eHealth, Telemedicine, Healthcare ICT, Operating Systems, Computer Architecture, Networks, IT Security, IT Forensics, Health and Medical Tourism, and Health Economics. His research expertise encompasses Individual Health Care Management,

Clinical Information Systems, Evidence-Based Medicine, Healthcare Networks, IT Security and Compliance, and Risk Management. He has also designed and delivered virtual courses on Healthcare IT via the MOOC platform Virtual University of Bavaria (www.vhb.org), engaging over 500 participants.

Prof. Kunhardt was instrumental in establishing the European Campus Rottal-Inn, DIT's international health technology campus, and continues to develop practical, research, and study programs in Health IT. He played a key role in the successful deployment of Germany's federal eHealth program operated by Gematik. He serves on the boards of several healthcare institutions, consulting companies, and a social media company, and acts as an assessor in the accreditation of study programs by the Bavarian Ministry of Education and Research.

An accomplished author of several monographs and numerous publications on healthcare management and computer science applications in healthcare, Prof. Kunhardt is a regular speaker at IT management and healthcare management conferences. He coordinates the MBA program in Healthcare Management and the undergraduate nursing education program at DIT. Additionally, as a civil service officer responsible for healthcare in the County of Deggendorf - a program run by the Bavarian Ministry for Environment and Health - he continues to contribute significantly to the advancement of Health IT.

CHAIRS

ORGANISING COMMITTEE CHAIR



Georgi Chaltikyan, MD, PhD

Director of the study programme Master of Digital Health, Deggendorf Institute of Technology and Russian-Armenian University (Armenia), Professor of Digital Health and Healthcare Management, Founder and Chairman of Armenian Association of Digital Health (AADH), WHO Digital Health Consultant

Georgi Chaltikyan, MD, PhD, is a professor of Digital Health and Global and International Healthcare Management, and director of the study program Master of Digital Health (MDH) at the Deggendorf Institute of Technology (DIT) in Germany and at Russian-Armenian University (RAU) in Armenia, and the Founder and Chairman of the Board of Armenian Association of Digital Health (AADH).

Georgi Chaltikyan is graduate of the Yerevan State Medical University in Armenia. He has been trained as general surgeon and spent about 20 years in clinical practice in general and laparoscopic surgery. He has extensive experience in healthcare education, research and management, gained also through multiple fellowships and internships in Germany, Austria, France, and USA. In 2001-2009 he has served as associate professor at the Department of Surgery of Yerevan State Medical University, and has taught medicine and surgery to undergraduate and postgraduate students. In 2009-2010 he was Fulbright Visiting Scholar at the University of Southern California in Los Angeles, USA. In 2010-2015 he worked in private surgical practice at a large multi-profile hospital.

Prof. Chaltikyan joined DIT-ECRI at its launch in 2015; he is the Program Head of the Master of Digital Health (MDH) that is operated as a Double-Degree Study Program at DIT-ECRI in Germany and RAU in Armenia and is responsible for several courses (modules) in Digital Health, Global and International Healthcare Management, Health Research, and others. He also leads international collaborative projects and programs, such as the partnership with such notable organizations as the Healthcare Information and Management Systems Society (HIMSS), International Society for Telemedicine and eHealth (ISfTeH), International Medical Informatics Association (IMIA), European Federation for Medical Informatics (EFMI), German Digital Medicine Society (DGDM), German eHealth Society (DGG), and HL7 Germany among others, as well as for the participation in the Consortium of Educational Institutions in Digital Health (CONEDIG) under the auspices of the ISfTeH, of which DIT-ECRI is a Founding Member. He has publications on different aspects of Digital Health, is involved in several research and development projects in the field, and is a frequent keynote speaker and moderator at international conferences. His main research focus is on Digital Health Education and Upskilling, Global and National Digital Health Policies and Strategies, and Personalized (10P) Health. Since 2019 he has been a WHO Digital Health Consultant. He is a co-founder and head of the Armenian Digital Health Initiative developed/implemented by AADH and its partners.

SPEAKERS



Bernd Blobel, FACMI, FACHI, FHL7, FEFMI, FIAHSI, PhD
(Germany)

Professor of Medical Informatics, University of Regensburg,
Medical Faculty
Former Head, eHealth Competence Center (eHCC)
Visiting Professor, Charles University Prague, First Medical Faculty

Dialogue @ EFMI - Navigating the Divide: Informatics as Science & Digitalization as Practice

**- Featured Keynote: „Why we need to
advance from data to knowledge level
for successfully transforming health
ecosystems“**

Prof. Dr. habil. Bernd Blobel has been and continues to be engaged in basic and applied research on Electronic Health Records (EHR), security, privacy, eHealth architectures, interoperability, personalized medicine, telemedicine, biomedical engineering, translational medicine, formal languages, knowledge representation and management, as well as ontologies. He has participated in the EHR and eHealth programs of many countries, including Austria, Australia, Canada, Colombia, Denmark, Finland, Ireland, Malaysia, Norway, Peru, Syria, Taiwan, and the USA. He has been involved in PhD and PostDoc studies at renowned universities around the world. Furthermore, he has acted and continues to act as SPC Chair and Keynote Speaker at international conferences. He is an Editorial Board Member of important international journals.

Higher Education

Entering the Magdeburg Institute of Technology (now the University of Magdeburg) in 1964 through a highly selective process as a member of the first Special Class for Mathematics, Bernd Blobel

studied natural sciences, electrical engineering and cybernetics, theoretical medicine, informatics, and medical informatics at the universities in Magdeburg, Halle, Berlin, Leipzig, and Dresden. He received university degrees and certificates in electronics (1971), informatics (1971), bio-cybernetics (1974), theoretical physics (1975), biometry and medical informatics (1985), and educational theory (1989). He earned a PhD in Physics at the University of Magdeburg with a revolutionary thesis titled “About the mechanism of information processing and energy transformation in bio-receptors – a general and membrane structure related transducer model” (1976). He obtained a Habilitation (qualification as a university lecturer) in Environmental Medicine at the Medical University Magdeburg with a postdoctoral thesis “Implications of physical environmental factors on health” (1981), as well as a Habilitation in Medical Informatics at the University of Magdeburg with a postdoctoral thesis “Analysis and Design for Secure and Interoperable Distributed Health Information Systems” (2001).

Positions

Bernd Blobel started his professional life as Head of the Laboratory of Environmental Medicine (1974–1981). He was appointed as Chief Information Officer (CIO) (1974–2004), became Founder and Head of the Medical Informatics Group (1981–1987), and was the Founding Head of the Medical Informatics Department, Deputy Director/Acting Director of the Institute for Biometry and Medical Informatics at the Medical University Magdeburg (later the University of Magdeburg, Medical Faculty) (1987–2004). Thereafter, he moved as Founder and Head of the Health Telematics Group to the Fraunhofer Institute for Integrated Circuits in Erlangen (2004–2006). From 2006 until his retirement in 2012, he served as Founder and Head of the German National eHealth Competence Centre (eHCC) at the University Hospital Regensburg (University of Regensburg, Medical Faculty).

SPEAKERS



Hal Wolf, CEO of HIMSS (USA)

Interactive Discussion - “El Futuro Es Nuestro”: Uniting Innovation and Experience

- **Featured Speaker**

Dialogue @ StMGP - Global Digital Health: From Bavaria to the World. And Back.

- **Featured Keynote: Transforming our Health Ecosystem**

Harold „Hal“ Wolf III is the President and CEO of the Healthcare Information and Management Systems Society (HIMSS), a global advisor and thought leader supporting the transformation of the health ecosystem through information and technology. He is internationally respected as a healthcare and informatics leader, with expertise in mHealth, product development, integrated care models, marketing, distribution, information technology, and large-scale innovation implementation.

Before joining HIMSS, Wolf served as Director and Practice Leader of Information and Digital Health Strategy at The Chartis Group. He was also Senior Vice President and Chief Operating Officer of Kaiser Permanente’s The Permanente Federation, representing over 16,000 physicians. Additionally, he held executive positions at MTV Networks and Time Warner and served as a Senior Advisor to McKinsey & Company.

Wolf has been instrumental in advancing the impact of technology on healthcare, leading internationally in health policy and technology adoption to increase access and improve care outcomes. He is a pioneer in consumer engagement, contributing to the development of content, research, and user interfaces for video on demand and broadband, thereby influencing the digital health era.

In recognition of his expertise, Wolf was appointed to the World Health Organization’s Digital Health Technology Advisory Group and added to its Roster of Experts. His leadership continues to shape the integration of information and technology in healthcare, aiming to improve care delivery and patient outcomes globally.

SPEAKERS



Rajendra Gupta, PhD (India)

Chairman, United Nations IGF's Dynamic Coalition on Digital Health; Member- Commonwealth AI Consortium & WHO Roster of Experts. Board Member, International Society for Telemedicine & eHealth (Switzerland); Former Advisor to the Union Health Minister, Government of India; Author of best-selling book - Digital Health - Truly Transformational.

Dialogue @ StMGP - Digital Health: Implementing at Scale (How Can International and Bavarian Experiences Cross-Fertilize Each Other)

Dialogue - MOONSHOT: The Future of AI and Cutting-Edge Digital Health Technologies

Prof. Rajendra Pratap Gupta is a leading public policy expert and globally recognized authority in Digital Health. Instrumental in advancing Digital Health initiatives worldwide, he holds key positions such as Member of the Guidelines Development Group and the Global Roster of Experts in Digital Health at the World Health Organization (WHO). He is also a Board Member and Chairman of the Capacity Building Workgroup of the International Society for Telemedicine & eHealth (ISfTeH), a Member of the Steering Committee of the Global Digital Health Index, and part of the World Economic Forum Expert Network.

Prof. Gupta co-authored the Global eHealth Diffusion report by WHO and contributed to the „Planning Workbook on ICT for Women's and Children's Health“ developed by PMNCH, WHO, IWG, and GSMA. Recognized for his global contributions, he was nominated to the World Economic Forum's Global Agenda Council for Digital Health (2012-2014) and received the „Global Impact Award“ from the Personal Connected Health Alliance in 2018. He was honored by the Sheriff of Los Angeles in

2012 and named „Thought Leader of the Year“ three consecutive years by ICT Post.

A visionary leader, he founded pioneering organizations including the HIMSS Asia Pacific India Chapter, Continua India, the Personal Connected Health Alliance-India, and the Disease Management Association of India, which holds Special Consultative Status with the United Nations Economic and Social Council. He served as a Medical Advisor to a joint venture between the Mayo Clinic and the Noaber Foundation, focusing on developing patient portals and electronic health records.

With over 25 years of experience, Prof. Gupta has held senior positions at Fortune 20 and Fortune 500 companies. His expertise has been sought by global organizations like the United Nations, UNESCO, World Bank, and governments of the USA, Japan, Algeria, Finland, and Bangladesh. In India, he has advised the Ministry of Health, Ministry of Human Resource Development, and the Planning Commission, playing a key role in drafting the National Health Policy and as a member of the committee for the National Education Policy 2020.

An accomplished author, he has written several reports and five best-selling books, including „Healthcare Reforms in India: Making up for the Lost Decades“ and „Digital Health - Truly Transformational.“ His contributions have been featured as a case study by the Royal Society of Tropical Medicine and Health.

Currently, Prof. Gupta chairs influential committees on digitization, including the Committee to Draft the National Digital Health Standards and the Dynamic Coalition on „Internet & Jobs“ at the United Nations' Internet Governance Forum. He continues to dedicate his efforts to public policy initiatives and advisory roles, significantly advancing Digital Health both in India and globally.

SPEAKERS



Birgit Bauer, (Germany)

Social Media & Digital Health Expert, Patient Expert
Founder & Project Manager Data Saves Lives Germany
www.datasaveslives.de

**Workshop @ Data Saves Lives (DSL)
GERMANY: Patient Involvement – Burden
or Unknown Resource?**

**Interactive discussion – AI Needs High-
Quality Health Data at Scale: Will the
EHDS deliver?**

Ms. Birgit Bauer is a German Social Media and Digital Health Expert, Journalist, and Speaker with over 17 years of experience specializing in healthcare. She co-founded „Manufaktur für Antworten UG“ (www.manufaktur-fuer-antworten.de), where she develops workshops and talks on the use of social media for target groups such as patients, patient organizations, non-profit organizations, industry and biotech companies, startups, and governmental institutions. In her role as a consultant, Birgit designs and implements social media and communication strategies for various businesses and patient projects, turning ideas into reality. Together with her team, she also designs and conducts feasibility studies.

In January 2022, Birgit founded the non-profit organization „European Digital Health Academy“ gGmbH, marking her venture into social entrepreneurship. She established this organization to create a platform by patients for patients to inform about digital health. Through this non-profit, Birgit brought the „Data Saves Lives“ initiative to Germany. The website www.datasaveslives.de was launched

in November 2022, supported by funding from the Ministry of Health in Germany. The project discusses health data sharing and the European Health Data Space, fostering an active community of patients, carers, and interested individuals. The initiative has received continued funding from the Ministry of Health until December 31, 2023.

Known as @Birgitpower on Twitter (<https://twitter.com/Birgitpower>), Birgit is one of the most influential bloggers on Multiple Sclerosis (MS) and healthcare in Germany and Europe. She started her blog „Fast normal! Mein Leben mit MS“ („Almost Normal – My Life with MS“) in 2007 (<http://leben-arbeiten-mit-multiple-sklerose.blogspot.de/>). As a Patient Expert and EUPATI Fellow, she supports the European Multiple Sclerosis Platform voluntarily. Birgit is a member of the Editorial Board of the „Data Saves Lives“ initiative, was named a HIMSS Future50 Patient Leader in 2021, and is a committee member of the HIMSS DACH Community. Additionally, she is a member of the 5th Cohort of the Sciana Network and the Stakeholder Group of the TEHDAS Project. She is involved in various advisory boards, committees, and focus groups, and is a co-author of several scientific whitepapers and publications on „Patient-Doctor Communication.“

Birgit advocates for health data sharing, emphasizing that health data are essential for advancing healthcare systems and developing new digital methods to help patients receive faster diagnoses and better care. She believes in explaining, informing, and empowering people to make informed decisions about sharing their health data. Birgit stresses the importance of understanding who is using data, how, where, and for what purposes, always considering the outcome for patients.

SPEAKERS



Pilar Fernandez Hermida, (United Kingdom & UAE)

Founder, i-Expand, Health Tech Commercialization Mentor, IVMS programme
Board Member, Digital Health & Care Alliance, In-Residence Go-to-Market Lead

Dialogue @ DigiHealth Inno Lab - From Idea to Market

Interactive discussion - “El Futuro Es Nuestro”: Uniting Innovation and Experience

Dialogue - MOONSHOT: The Future of AI and Cutting-Edge Digital Health Technologies

Pilar is an international Go-to-Market expert with 25+ years of experience launching disruptive sales and channel ecosystem strategies, along with innovative programmes to execute these.

During her career, Pilar has covered all market segments and verticals, partner types, and geographies, with a special focus in the Health and Tech sectors. She was part of the global leadership teams of companies such as Cisco and Wolters Kluwer and has worked across six continents bringing new solutions to market.

A passionate believer in innovation, Pilar has assisted hundreds of client organizations and government institutions around the globe to leverage technology to achieve their goals. As part of her accomplishments, she has led delegations to the UN/WHO, standardized digital health solutions at the national level, achieved double-digit growth year over year, and helped raise \$350 million in funds.

Currently, Pilar is the founder of i-Expand (www.i-expand.com), a business advisory firm focused on assisting Health Tech companies grow and expand internationally in less time, with less risk and less cost. The company has also created the Healthcare Go to Market Academy xi-Expand®. To date, more than 450 companies have been through this commercial know-how transfer programme.

Pilar is fluent in nine languages, holds two First-class degrees, and is PMO-certified by Stanford.

Other Credentials: Board member of DHACA; angel investor; advisor, mentor, and in-residence GTM expert in several EMEA startups and accelerators. Active speaker in the health and tech community.

Her book “Cash or Crash: How to Launch a Digital Health Business Successfully” is out in 2023.

SPEAKERS



Armin Scheuer, (Germany)

Senior Executive Digital Health, Lemonmint - Think. Act. Health.

INTERACTIVE DISCUSSION - “El Futuro Es Nuestro”: Uniting Innovation and Experience

Impulse: Digital Maturity: Getting Ready for Unlocking Health Data

DIALOGUE @ StMGP - - Global Digital Health: From Bavaria to the World. And Back.

Armin Scheuer is a recognized international associations executive, communications advisor, and thought leader in the field of digital maturity in healthcare. The former Executive Director and Vice President for HIMSS in Europe and the Middle East has recently consolidated his 20 years industry experience his new venture Lemonmint HealthTech Communications to support the build-up of mature digital health societies by communicating, educating, and celebrating advancements in digital health.

In a significant global achievement, Armin spearheaded the DigitalRadar consortium, marking a major milestone in the assessment of national digital maturity. This pioneering transformation initiative conducted assessments of 1,800 hospitals in Germany on behalf of the country's Federal Ministry of Health. This initiative provided invaluable insights and recommendations for policymakers and stakeholders, ultimately shaping the trajectory of digital healthcare adoption in the country.

Before assuming his leadership position at HIMSS, Armin established so2say communications, a trailblazing eHealth communications firm in Europe working for multinational HealthTech companies and supporting the European Commission in communicating the eHealth strategy across the six largest Member States. The firm's subsequent acquisition by HIMSS reinforced his standing as a distinguished business leader in the field of digital health.

Armin Scheuer frequently shares his insights and global perspective on digital health transformation at industry events and offers business consultancy services to stakeholders and start-ups in the field. He is based in Berlin, Germany.

SPEAKERS



Lars Lindsköld, MD (Sweden)

President of EFMI; Regional developer, Department of digitalization, Region Västra Götaland; Senior adviser, The Swedish Innovation Agency;
Senior adviser, AI Innovation of Sweden (AI Sweden), Board member RAI Umeå University,
Secretary Swedish Association of Medical Informatics

**Dialogue @ EFMI - Navigating the Divide:
Informatics as Science & Digitalization as
Practice**

**DIALOGUE - "MOONSHOT": The Future
of AI and Cutting-Edge Digital Health
Technologies**

Med. Dr. Lindsköld has long digitalization experience in Radiology, Pathology, Health Data, and Teledermatology (e-Health). His research is based on interoperability within big data and AI, focusing on semantic interoperability driven by the profession.

Today, he is working with medical professionals, data engineers, and data scientists to create medical machine-readable resources that will increase the automatic portability of data from various IT systems and AI applications to better support the disease's journey. This will include actors such as individuals, clinicians, researchers, and industry.

SPEAKERS



Georg Münzenrieder, J.D. (Germany)

Head of Units - Fundamental Matters of Digitalization, and Knowledge Transfer and Future Questions in Health and Care, Taskforce Corona Pandemic, Bavarian State Ministry of Health and Care

Chairman of the Board, Gematik GmbH

Past Head of Unit Future Questions & Digitisation, Bavarian State Ministry for Health and Care

Past Deputy Head of Unit - Bavarian State Ministry of Food, Agriculture and Forestry

**Dialogue @ StMGP – Global Digital Health:
From Bavaria to the World. And Back.
- Featured Keynote: “Digital Health Close
to the Patients: The Bavarian Approach”**

Dr. Georg Münzenrieder has held various roles in the Bavarian ministerial administration following his qualification as a lawyer and completion of his doctorate in 2009.

Since returning from a secondment to the Federal Foreign Office at the Permanent Representation of Germany to the EU in Brussels, he has served as Head of Division for Digitalization in Health and Care, focusing on future and innovation projects within the Bavarian State Ministry of Health and Care since 2017.

In 2019, he also became chairman of the federal and state working group on digitalization in healthcare and chairman of the Gematik advisory board.

Since 2020, alongside his role as Head of Division, Dr. Münzenrieder served as Deputy Head of the Division for cooperation with relevant institutions as part of the Corona Pandemic Task Force at the Bavarian State Ministry of Health and Care, a role he held until July 2022.

SPEAKERS



Dmitry Etin, M.Sc. (Austria)

Global Digital Health Architect, Oracle
Co-Founder, Forome Association & Genomics Platform
Former Global Life Science & Healthcare Lead, OpenText Enterprise
Former e-Health Solution Architect, Dell EMC

Dialogue @ DigiHealth Inno Lab - From Idea to Market Interactive Discussion - AI Needs High-Quality Health Data at Scale: Will the EHDS deliver?

Dmitry (Dima) Etin is a recognized expert in public digital health, healthcare data management, and interoperability. He began his Health IT career by establishing an IT department in a hospital, where he spent five years developing and implementing Patient Administration and Electronic Medical Record (EMR) systems.

For the past 15 years, Dmitry has worked with companies like Tieto, EMC, Dell, and now Oracle, where he focuses on complex healthcare interoperability platforms for national and regional health systems. He also represents his employers in European and international standardization working

groups. His involvement includes major e-health projects in EMEA, such as KANTA in Finland and the National EMR in Georgia.

Dmitry is a co-founder of the bioinformatics association FOROME.ORG, a spin-off originally funded with NIH grants for projects like Brigham Genomic Medicine and the Undiagnosed Diseases Network. This association develops open-source tools for genomic analysis of complex patient cases, particularly those involving hereditary diseases.

Currently, Dmitry serves as a mentor and ambassador for Oracle for Startups. He is based in Vienna, Austria.

SPEAKERS



Angela Ahrendt, FTI Consulting, (Germany)

Senior Director of Healthcare and Lifesciences, Strategic Communications division, at FTI Consulting;
Former Director of Communities and Strategic Relations, EMEA at HIMSS

Dialogue @ StMGP – Global Digital Health: From Bavaria to the World. And Back.

DIALOGUE – “MOONSHOT”: The Future of AI and Cutting-Edge Digital Health Technologies

Angela Ahrendt (née Velkova) is the Senior Director of Healthcare and Life Sciences in the Strategic Communications division at FTI Consulting, a global business advisory firm. In this role, she specializes in developing activation strategies for key stakeholders in digital health, adeptly navigating the complex policy landscape of highly regulated industries such as healthcare and technology.

Prior to joining FTI Consulting, Angela served as the Director of Communities and Strategic Relations for EMEA at the

Healthcare Information and Management Systems Society (HIMSS). With over a decade of experience, she has built her expertise at the intersection of European and national healthcare policies, focusing on enabling the diffusion of innovation within the healthcare sector.

Angela is dedicated to supporting the adoption of digital health solutions and strengthening trust in digital innovation across the healthcare community. In collaboration with experts from the Deggendorf Institute of Technology and the Barcelona Institute for Global Health, she has contributed strategies for enhancing and upskilling the healthcare workforce in the upcoming Springer Nature publication, Digital Maturity of Hospitals.

Angela’s extensive experience and commitment to advancing digital health make her a valuable contributor to discussions on healthcare innovation and policy.

SPEAKERS



Philippe Gerwill, (Switzerland)

Executive Advisor, Digitalization Humanist & Futurist
Board Member, Docthus Healthtech

Dialogue - MOONSHOT: The Future of AI and Cutting-Edge Digital Health Technologies

Philippe Gerwill is a Digitalization Humanist, Futurist, and Innovation Key Opinion Leader, celebrated for his role in shaping digital healthcare and technology through human-centric design. Known for his insightful contributions at international events, Philippe advocates that while cutting-edge technologies like Digital Health, AI, IoT, Big Data, AR/VR, Blockchain, and 5G hold immense potential, they must serve humanity's needs above all else.

With nearly 30 years in global roles across the specialty chemicals and pharmaceutical industries, Philippe amassed deep expertise, cultural insights, and a commitment to advancing healthcare. Following his early retirement in 2022, he transitioned from corporate leadership to dedicated advisory roles aimed at making a meaningful impact.

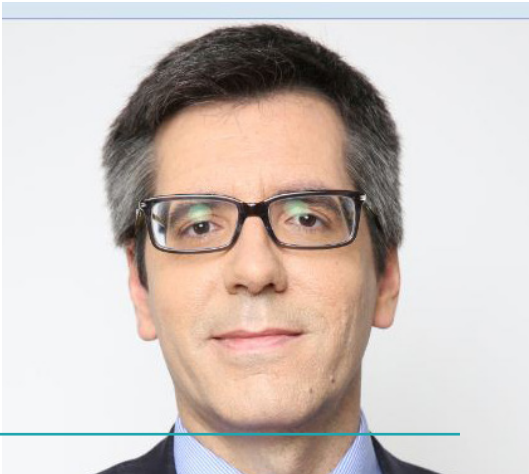
Today, Philippe serves as an executive advisor, board member, and consultant across diverse sectors, focusing particularly on healthcare. Some notable roles include:

- Board Member at Docthus Healthtech (Kenya) since June 2023, where he supports efforts to standardize care and improve patient outcomes.
- Executive Advisor at Aimesis (Netherlands), pioneering the first healthcare Metaverse and medical NFT marketplace.
- Advisor at DayOne Tech (Switzerland), shaping medtech innovation.
- Healthcare Consultant at Tata Elxsi (India), a provider of design and technology services.
- Global Advisory Board Member at WISEKey SA (Switzerland), focusing on information security and identity management.

In addition, Philippe has contributed as an ambassador and advisor in digital health, medtech, and medical tourism, partnering with organizations like HIMSS and Med-Tech World. He is also involved with Future is Meta, exploring virtual spaces for healthcare.

Philippe's unique blend of technical knowledge and humanistic philosophy makes him a sought-after voice in digital transformation. He continues to inspire a vision for a future where technology serves humanity, ensuring that innovation remains anchored in compassion and positive impact.

SPEAKERS



Henrique Martins, MD, PhD, ISCTE (Portugal)

Past President of SPMS (Digital Health Agency), Portugal
Past state co-chair of the EU eHealth Network
Visiting Professor, Korea University Medicine

Interactive Discussion - AI Needs High-Quality Health Data at Scale: Will the EHDS deliver?

He holds a Medical Degree, specializing in Internal Medicine, as well as a Master's and PhD in Management, and a Master's in Law. Currently, he is pursuing a PhD in Law. He was among the first Chief Medical Information Officers (CMIOs) in Portugal, serving at Hospital Fernando Fonseca in Lisbon from 2009-2013. During his tenure at the Ministry of Health, he set the agenda for eHealth in Portugal and served as President of SPMS, Portugal's Digital Health Agency, for nearly seven years, leading the National eHealth initiatives.

He represented Portugal on the EU eHealth Network for eight years, previously serving as the Member States co-chair, the highest policy body on eHealth in the Union. In July 2020, he was elected Fellow of the International Academy of Health Sciences Informatics within IMIA. Additionally, he

is a National Defence Auditor and has been a member of the HL7 Europe Foundation Board of Directors since August 2020.

Currently, he is an academic at ISCTE Business School, the Faculty of Health Sciences at UBI, and a Visiting Professor at Korea University Medicine, where he teaches and conducts research in Digital Health, Healthcare Systems, Transformation, and Leadership and Management education for medical students and health professionals. He has authored numerous papers on global, European, national, and hospital-level digital health trends.

He also engages in individual consulting projects focused on Healthcare Transformation and Digital Health (www.henriquemartins.eu). Presently, he works as a Senior Consultant in Digital Health and Innovation for the WHO Athens Quality of Care and Patient Safety Office and as a Senior Consultant for the WHO Western Pacific Region's Regional Action Plan on Digital Health.

SPEAKERS



Dr. Ryan Alistair Dos Santos, (Denmark)

WHO Regional Office for Europe

**Dialogue @ StMGP - Global Digital Health:
From Bavaria to the World. And Back.**

Ryan Dos Santos worked for many years leading Information Technology management in some of the largest companies in Guyana, South America. In 2008 he joined PAHO/WHO in the Americas. First in IT, then increasingly in Digital Health and health systems development at the county level, including digital health strategy development and platform implementations. He has a background in computer science and eHealth management.

SPEAKERS



Laura Stahl, (Germany)

Bayern Innovativ

**Dialogue @ StMGP – Digital Health:
Implementing at Scale (How Can
International and Bavarian Experiences
Cross-Fertilize Each Other)**

Laura Stahl is project manager in the field of digital health in the innovation network health at Bayern Innovativ. She works on projects in the healthcare sector to promote digitalization. One example is the „TI (telematic) model region in Franconia“ where various digital concepts are rolled-out and implemented within a large network of healthcare providers. Another focus project is „Health Care BY Your Side“ which accompanies the model region with different communicational and scientific measures.

After completing her dual studies in business administration in 2020, she pursued her passion for the health economy and specialized in food and health sciences in her master’s degree at the University of Bayreuth.

During this time, she joined Apollo Optik GmbH & Co. KG, a leading ophthalmic optics company, and developed a comprehensive strategy for their occupational health management. This work was accompanied scientifically and was part of her master’s thesis with a special focus on organizational development, using qualitative research.

After graduating in 2022, she took up a position as an Account Executive at Doctolib GmbH, a leading company in the field of digital healthcare. There, she was responsible for acquiring and advising medical practices to support them in digitizing their processes. This role gave her deep insights into the challenges and opportunities associated with digital transformation in the healthcare sector.

Coming from this background, her goal is to continue leveraging her expertise in the digital health space to enhance accessibility to digital tools in the healthcare sector and drive forward-thinking healthcare initiatives.

Abstract impulse talk

Health Network Franconia –
TI-Model Region + Health Care BY Your Side

Together with over 200 regional partners, we are shaping the future of medical care - digital, networked and patient-centered. From maximum care providers to small practices, we connect all kinds of healthcare providers. The aim is to establish new TI applications or new functions of existing applications in everyday healthcare and to provide intensive support for users. Our mission is to make everyday healthcare easier by introducing and expanding digital applications. These include e-prescriptions, electronic health records (ePA), TI Messenger, KIM and Authenticator. “Health Care BY Your Side” complements the model region with a holistic approach to communication. This means, among other things, that not only players in the healthcare system, but also the population, are to be made fit for the digital transformation with a tailored training offensive.

SPEAKERS



Martin Wulf Gerdes, Prof. Dr., PhD (Norway)

Associate Professor of ICT and eHealth University of Agder, Norway
Member of the E-health Research Centre at the University of Agder, Norway
Working currently with various international research institutions. A partner of European research projects on digital inclusion, mobile health, global health Improve healthcare support for rural communities in India

Scientific Session, Host

I am an Associate Professor in Information and Communication Technology (ICT) with specialization in „e-Health,“ and a member of the e-Health Research Centre at the University of Agder, Norway. I am a Diploma Engineer in General Electrical Engineering by education, from the Rheinisch-Westfälische Technische Hochschule (RWTH) in Aachen, Germany.

Utilizing the experience in applied industrial research from more than 15 years of work as researcher in the telecommunication industry, I have obtained a PhD within the field of Information and Communication Technologies (ICT) with specialization in e-Health at the University of Agder, Norway, with focus on telehealth and telecare solutions. My research in this field is interdisciplinary and is addressing the design and application of digital technologies (information technology, computer systems, human-computer-interaction design, artificial intelligence) in the healthcare domain. The overall objective are accessible, safe, user-friendly, interoperable and efficient digital health solutions for all citizens in their various roles (patients; healthcare professionals; other stakeholders), understanding and considering their diverse needs and preferences. My research interests include distributed health information system

architectures (discipline of Health / Bio-Informatics), personalized decision support and recommendations based on health and wellness monitoring and the use of Artificial Intelligence (Pervasive Health), and the application of User-Centered Design methodologies within global and universal e-Health. Besides my experience from the private industry, I have been working with various international research institutions (including the Queensland University of Technology, Brisbane/Australia, Griffith University, Brisbane/Australia, Auckland Technical University, New Zealand, University of Oslo/Norway, Cardiff Metropolitan University, Wales/UK, Amrita University, Tamil Nadu/India, Luleå Technical University, Sweden).

I am and have been a partner in national Norwegian and European research projects on telehealth, mobile health, and global health, and management and mitigation of the COVID-19 pandemic with digital health tools. In the public sector I have collaborated with health institutions such as the South Norway regional hospital, and with rural clinics in South Africa and India.

SPEAKERS



Camila Tomikawa, Dr. (Germany)

Head of Pathology, LIMAA Technologies GmbH
Member of HIMSS DACH Committee

Dialogue @ DigiHealth Alumni – Research, Education, Workforce

Dialogue @ EFMI – Navigating the Divide: Informatics as Science & Digitalization as Practice

Dr. Camila Tomikawa is a medical professional with extensive experience in clinical practice, digital health, and medical informatics. She earned her medical degree from the University of São Paulo and completed over three years of residency in anatomic pathology at Hospital das Clínicas da Faculdade de Medicina da USP. Transitioning towards health technology and innovation, she pursued a Master's in Medical Informatics at the Deggendorf Institute of Technology.

Professionally, Dr. Tomikawa has held roles such as Project Manager at FotoFinder Systems GmbH, Pathologist at Definiens (now part of AstraZeneca's Computational Pathology division), and Medical Advisor in Digital Health at Cognostics/Cloudflight GmbH. Since 2023, she has been serving as the Head of Pathology at LIMAA Technologies GmbH, a digital pathology startup, where she oversees the integration of AI-driven tools into pathology workflows to enhance diagnostic efficiency.

In addition to her professional endeavors, Dr. Tomikawa is committed to community service, having volunteered with Caritas and serving on the HIMSS DACH Committee since 2024. She is also a co-founder of LIMAA Technologies GmbH, contributing her expertise in pathology and medical informatics to the development of innovative digital pathology solutions.

SPEAKERS



Benedikt Aichinger

Managing Director of MACH by x-tention

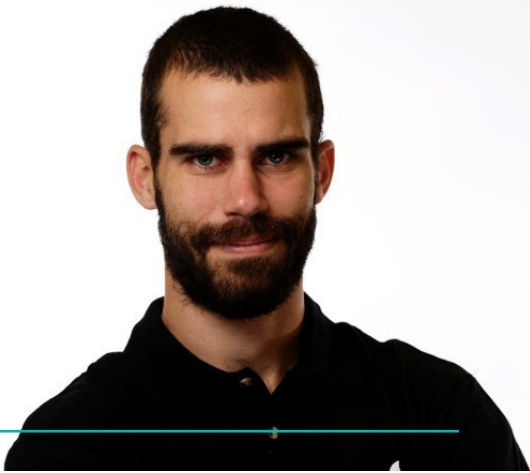
Dialogue @ StMGP – Global Digital Health: From Bavaria to the World. And Back

Benedikt Aichinger's mission is to create a connected healthcare environment where doctors and patients get the best digital experience possible.

He is passionate about innovation, collaboration, and customer satisfaction, and as the Managing Director of MACH, a division of the x-tention group, Benedikt leads a team of experts in developing and delivering a secure, reliable, and compliant platform for sharing data between applications and across environments.

With some 18 years of experience in the healthcare IT sector, he has a strong background in business informatics, strategy, business development, and product management, and is responsible for initiating and overseeing the internationalization of the x-tention group, bringing the company's portfolio of solutions to all markets outside of central Europe.

SPEAKERS



Bence Török

Project Manager at BrightHills

Dialogue @ StMGP – Digital Health: Implementing at Scale (How Can International and Bavarian Experiences Cross-Fertilize Each Other)

Bence Török is a dynamic and accomplished Project Manager at BrightHills LLC, where he has been instrumental in driving medical software development projects since May 2022. Based in Budapest, Hungary, he brings over two years of expertise in agile methodologies, leading scrum ceremonies, and overseeing release planning at BrightHills. His role encompasses conducting risk assessments, defining business logic, and ensuring timely and budget-conscious project delivery. Bence's in-depth knowledge of ISO standards, including ISO 13485 and ISO 27001, reinforces his dedication to quality management and regulatory compliance, making him a key contributor to project excellence.

In addition to his responsibilities at BrightHills, Bence is an active voice in the MedTech community. He recently delivered a keynote speech titled "Beyond Base Camp: Charting a Course for Med-Tech Innovation" at Med-Tech Malta, as well as MedTech World Berlin, engaging in panel discussions on Software as a

Medical Device, collaborating with prominent entrepreneurs in the field. Furthermore, as a mentor with the Innovation Forum, Bence is committed to fostering game-changing ideas and supporting innovation within the industry.

Bence's career foundation in technical writing from 2019 to 2021 in IT and telecommunications equipped him with skills in creating user-centered documentation and marketing content. His prior experience as a teacher and strength coach (2012-2019) lends him a unique approach to leadership and client relations, essential attributes in his current role.

A continuous learner, Bence holds a bachelor's degree in Business Informatics Engineering from Dennis Gabor University and certifications in Lean Six Sigma Green Belt and Scrum Product Owner. Fluent in English, proficient in German, and knowledgeable in Dutch, he navigates multilingual environments with ease. He also supports charitable initiatives, such as the Hungarian Bátor Tábor foundation, and contributes as a guest speaker on agile methodologies in the medical device industry. Bence's dedication to quality, innovation, and impact makes him an invaluable asset to the MedTech field and beyond.

SPEAKERS



Dennis Rausch, Dr. med. (Germany)

Chief Medical Officer of Dedalus HealthCare

Dialogue @ EFMI - Navigating the Divide: Informatics as Science & Digitalization as Practice

Dr. med. Dennis Rausch is the Chief Medical Officer of Dedalus HealthCare, with almost 20 years of experience in the healthcare IT industry. Dennis' previous experience as a clinician, including in intensive care and as an anaesthesiologist, informs his practical and solution-oriented approach to creating clinical software. He is based in Cologne, Germany.

Dennis has authored several research papers, with a focus on bridging the gap between clinical and IT communities in order to create EMRs which enhance user experience and ensure greater patient safety. As the leader of the Dedalus Medical Office, he has spearheaded the clinical content creation program and has been on a mission to turn clinical software from a nuisance into a wow experience for doctors, nurses and their like ever since he first got in contact with health IT.

SPEAKERS



Evan Brittain, MD, MSc (USA)

Professor of Medicine in the Division of Cardiovascular Medicine
Co-Director of the Vanderbilt Pulmonary Circulation Center
Associate Director of the Vanderbilt Coordinating Center

**Dialogue @ EFMI - Navigating the Divide:
Informatics as Science & Digitalization as
Practice**

**- Featured Keynote: "Integrating
Wearables and the Electronic Health
Record: Insights from the All of Us
Research Program"**

Evan Brittain, MD, MSc, is professor of Medicine in the Division of Cardiovascular Medicine, Co-Director of the Vanderbilt Pulmonary Circulation Center, and Associate Director of the Vanderbilt Coordinating Center. He received his medical degree from Cornell Medical College and completed Internal Medicine residency and Cardiology Fellowship at Vanderbilt. During fellowship he received advanced training in cardiovascular imaging and clinical investigation through Vanderbilt's MSCI program. His translational research program focuses on identifying mechanisms of pulmonary vascular disease and right heart failure using experimental models, clinical trials, and epidemiologic methods. His work also leverages wearable devices to monitor and promote physical activity in pulmonary hypertension and other chronic diseases. He has received funding from the NIH, FDA, and American Heart Association. He treats patients with heart failure with preserved ejection fraction and directs the inpatient cardiology consult service at Vanderbilt University Medical Center.

SPEAKERS



Frank Reichert, (Norway)

Professor emeritus at University of Agder (UiA)
CEO AIExperts.no

Lecturer, BIP AI4Health

Professor Frank Reichert is a distinguished expert in information and communication technology (ICT) and artificial intelligence (AI), with a career spanning over three decades. He currently serves as CEO of AIExperts.no, a consultancy specializing in AI strategies and solutions, and holds the title of professor emeritus at the University of Agder (UiA) in Norway.

At UiA, Professor Reichert has held several key positions, including rector and chairman of the board from January 2016 to July 2019, and dean of the Faculty of Engineering and Science from 2007 to 2015. His academic focus encompasses mobile communication systems, user-centric development, and the integration of ICT in education.

With over three decades of experience, Professor Reichert has significantly contributed to the development of fixed and wireless communication systems on both national and international levels. Notably, he served as the center director for the SFI Offshore Mechatronics, a national center of excellence for research-driven innovation, and was instrumental in establishing UiA's Mechatronics Innovation Lab.

In the corporate sector, he worked with Ericsson in Sweden and Singapore, leading investigations into future service layer architectures, wireless internet technologies, and 3G applications and terminals. He also established Ericsson Cyberlab Singapore, focusing on user-centric application and terminal design.

Professor Reichert holds a Ph.D. in Electrical Engineering from Aachen University of Technology in Germany. His extensive experience and leadership continue to influence advancements in ICT and AI, bridging the gap between academic research and practical applications.

SPEAKERS



Fara Fernandes, M.Sc., MDS (Germany)

Research Associate, DIT-ECRI
PhD Candidate, Ethics of Artificial Intelligence in Healthcare.
Lecturer in Digital Health, DIT-ECRI
Dental Physician and Radiologist

Lecturer, BIP AI4Health

Scientific Session

Fara Aninha Fernandes, BDS, MDS, MSc, is a research associate at DIT-ECRI. She is a graduate with a specialization in Oral Medicine & Radiology from Goa Dental College & Hospital in Goa, India, and has worked as dental physician and radiologist. In 2017-2020, she trained in the M.Sc. program in Medical Informatics (MMI) at DIT-ECRI. She lectures students in 'Foundations of Medicine' and supports teaching staff in the field of International Healthcare Management, Health Economics, Medical Documentation Systems and the Legal and Regulatory landscape of Digital Health. At present, she is doing her PhD in Machine Learning in Dental Radiology with a focus on bias, explainability and ethics.

SPEAKERS



Oluwatosin Adewumi, PhD (Sweden)

Postdoc researcher, Machine Learning Group, Luleå University of Technology

Lecturer, BIP AI4Health

Seminar speaker to Public Petitions Cmttee of House of Reps on e-Petitions.

Developed mobile App - AdviseMe in Google store.

Developer of eDMS.

Researcher interests include Dialogue systems, Large Language Models (LLMs), Bias detection, Explainable and Ethical AI.

SPEAKERS



Mouzhi Ge, PhD (Germany)

Professor of Data Analytics, Deggendorf Institute of Technology
Past Associate Professor at the Masaryk University in Czech Republic

Lecturer, BIP AI4Health

Dialogue @ DigiHealth Inno Lab - From Idea to Market

Dr. Mouzhi Ge is a Professor of Data Analytics at the Deggendorf Institute of Technology in Germany. He was previously an Associate Professor at the Masaryk University in the Czech Republic, where he obtained his Habilitation. He received his Ph.D. from Dublin City University in Ireland. Afterward, he conducted research and practice on data engineering and intelligent systems in Germany, the USA, and Italy. His research is mainly focused on Big Data Analytics, Intelligent Healthcare

Systems, the Internet of Things, and Health-aware Recommender Systems. Within those research areas, he has published more than 100 research papers. Over the last 10 years, his works have been published in a variety of journals such as Future Generation Computer Systems, International Journal of Human-Computer Studies, International Journal of Cooperative Information Systems, IEEE Access, Wireless Personal Communications, International Journal of Semantic Computing, Internet of Things Journal, Journal of Sensor and Actuator Networks, Transactions on Emerging Telecommunications Technologies, Journal of Computer Information Systems etc.

SPEAKERS



Ozar P. Mintser, Dr.Sc. (Ukraine)

Head of Medical Informatics Department
NHU, Shupyk National Healthcare University of Ukraine

**Scientific Session - Proactive and Reactive
Involvement of Artificial Intelligence
Methods for Knowledge Tracing**

- medical decision making
- high technologies in public health care
- medical cybernetics and information sciences
- postgraduate medical education
- evidence-based medicine

SPEAKERS



Oscar Blanco, MSc (Germany)

Research Associate, DIT-ECRI
PhD Candidate, Accessing health through digital health literacy for migrant populations in Europe.
Project strategy development and research support, Yoleco GmbH

Dialogue @ DigiHealth Alumni – Research, Education, Workforce

Oscar Blanco is a researcher and lecturer specializing in health informatics and digital health literacy. He is currently a PhD candidate at the University of Agder (Norway) in partnership with the Deggendorf Institute of Technology (DIT) in Germany, where his research focuses on fostering equitable healthcare access for migrants in Europe through digital health literacy. Oscar's research is dedicated to advancing accessible healthcare through innovative digital solutions.

Oscar's academic foundation is in integrative physiology with a focus on public health from the University of Colorado Boulder (USA). Building on this knowledge, he earned his master's degree in medical informatics (now Digital Health)

at the DIT's European Campus-Rottal Inn (ECRI) faculty. He has further enhanced his professional profile with a certification from the Silicon Valley Entrepreneurship Program. Oscar is continuing to learn through the current PhD program in the University of Agder's ICT faculty.

Oscar has been a researcher and lecturer at DIT since 2020, where he has taught many courses across the health informatics, digital health, and global public health bachelor and master programs. He specializes in teaching digital health literacy principles, but covers other topics in the larger digital health discipline. He has also helped to create virtual open access courses on digital health with over 1,100 enrolled students worldwide. Oscar has contributed to the academic community with book chapters published in two Springer volumes.

Oscar is also actively involved in the International Health Literacy Association (IHLA), where he serves as Engagement and Partnership Lead for the Health Literacy Explorers Council. In this role, he organizes events, connects with other health literacy groups, and provides professional development resources. Notably, he pioneered the first Spanish-language journal club meeting within the IHLA, broadening the initiative's reach and inclusivity. He will be part of the IHLA executive board's next term beginning in 2025.

SPEAKERS



Lenka Lhotská, PhD (Czech Republic)

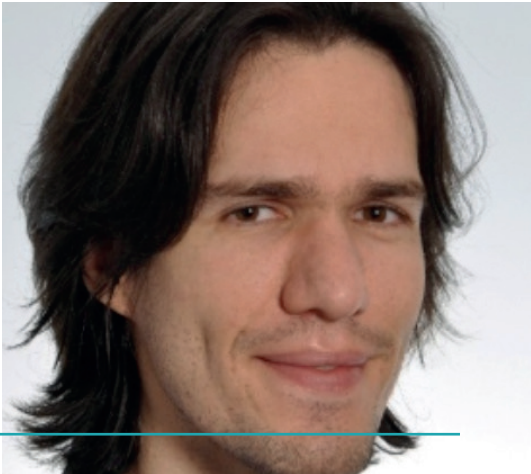
Associate professor, Department of Natural Sciences of the Faculty of Biomedical Engineering, Czech Technical University

Lecturer, BIP AI4Health

Lenka Lhotská, PhD, MIET, MIEEE, graduated as Master of Science in Electrical Engineering at the Czech Technical University in Prague (CVUT), Czech Republic and got PhD degree in Cybernetics from CVUT. Currently she is a distinguished researcher at the Cognitive Systems and Neurosciences Department at the Czech Institute of Informatics, Robotics and Cybernetics and associate professor at the Department of Natural Sciences of the Faculty of Biomedical Engineering, CVUT. Her research focus: Knowledge-based systems, application of artificial intelligence (AI) methods to medicine, digital signal processing, machine learning, semantic interoperability, mobile technologies in healthcare, electronic health record. She is scientific secretary of the Czech Society for Biomedical Engineering and Medical

Informatics, National representative in IFMBE, member of Council of Societies of IFMBE, co-chair of the WiMBE WG of IFMBE, chair of the Women in Medical Physics and Biomedical Engineering TG of IUPESM, chair of the Working Group Personal Portable Devices of European Federation for Medical Informatics (EFMI) and member of the EFMI Council, and National representative in International Society for Telemedicine and eHealth (IsfTeH). She was co-chair of the IUPESM World Congress 2018, member of the PC EMBEC 2005, regularly she is PC member of conferences on AI and ICT in health care.

SPEAKERS



Marcus Liwicki, Prof. Dr., PhD (Sweden)

Professor and Head of the Machine Learning Group, Luleå University of Technology
Vice-rector AI at Luleå University of Technology

Lecturer, BIP AI4Health

Marcus Liwicki received his M.S. degree in Computer Science from the Free University of Berlin, Germany, in 2004, his PhD degree from the University of Bern, Switzerland, in 2007, and his habilitation degree at the Technical University of Kaiserslautern, Germany, in 2011. Currently, he is chaired professor in Machine Learning and vice-rector for AI at Luleå University of Technology. His research interests include machine learning, pattern recognition, artificial intelligence, human-computer interaction, digital humanities, knowledge management, ubiquitous intuitive input devices, document analysis, and graph matching. From October 2009 to March 2010 he visited Kyushu University (Fukuoka, Japan) as a research fellow (visiting professor), supported by the Japanese Society for the Promotion of Science. In 2015, at the young age of 32, he received the ICDAR young investigator award, a bi-annual award acknowledging outstanding achievements in pattern recognition for researchers up to the age of 40.

SPEAKERS



Robin Vicken Ohannessian, MD MPH PhD (Armenia)

CEO Vickino, Public Health MD, Visiting Professor (RAU), Digital Health and Telehealth Expert Advisor, President of AADH

Dialogue @ DigiHealth Inno Lab - From Idea to Market

Dialogue @ EFMI - Navigating the Divide: Informatics as Science & Digitalization as Practice

Dr. Robin Vicken Ohannessian is a medical doctor specializing in public health, with a focus on telemedicine and digital health. He is the founder and CEO of Vickino, a health innovation company dedicated to transforming health systems on a global scale. In addition to his entrepreneurial endeavors, Dr. Ohannessian serves as an invited professor at the Faculty of Public Health of Yerevan State Medical University in Armenia, collaborating with the dean and departments to develop public health initiatives. His extensive experience includes co-founding and directing Télémédecine 360, where he contributed to advancing telemedicine applications in neurology and stroke care. Dr. Ohannessian is also recognized for his efforts in promoting innovative healthcare solutions, such as his interview with Arby Leonian, CEO and co-founder of Thermaiscan, discussing advancements in breast cancer screening.

SPEAKERS



Ashwanthi Balasubramanian, M.Sc. (USA)

Dialogue @ DigiHealth Alumni - Research, Education, Workforce

Ashwanthi Balasubramanian is a recent graduate with a Master's in Digital Health and a Bachelor's in Public Health, specializing in Environmental Health Science. She has a diverse background in both public and private sectors in the U.S., including experience as a health scientist at a scientific consulting firm and in environmental health for a state department of public health. During her master's studies, Ashwanthi contributed to the EU's Label2Enable project, where she completed her thesis, and gained hands-on experience in digital health product management and business development as a working student with Beurer and Medisanté. She is now excited to leverage her skills and passion for public and digital health in new career opportunities.

SPEAKERS



Arsen Arakelyan, PhD, DrSc

Head of Laboratory, Director, Institute of Molecular Biology NAS RA
Director of the Institute of Biomedicine and Pharmacy, Russian-Armenian University

Scientific Session - Armenian Genome Project - path to personalized medicine in Armenia

Dr. Arsen Arakelyan is the director of the Institute of Molecular Biology of the National Academy of Sciences of the Republic of Armenia (IMB NAS RA), the director of the Institute of Biomedicine and Pharmacy of the Russian-Armenian University (RAU). In 2011 he established Bioinformatics Group focusing on “-omics” bioinformatics of chronic diseases/cancers, studies of genomic variability, drug repositioning and systems biology. Since 2016 he is also the head of the Laboratory of Human Genomics at IMB NAS RA. Dr. Arakelyan is the co-author more than 100 research papers and the principal investigator of national and international research grants. Dr. Arakelyan has research interests in bioinformatics, genomics, computational and system biology.

SPEAKERS



Arman Darbinyan, PhD

Director, Institute of Mathematics and Informatics of Russian-Armenian (Slavonic) University
Associate Professor, Department of Mathematics and Mathematical Modelling of Russian-Armenian (Slavonic) University

Scientific Session - Automatic ECG analysis using deep learning

Arman Darbinyan is the director of the Institute of Mathematics and Informatics at the Russian-Armenian (Slavonic) University (RAU) and an associate professor in the Department of Mathematics and Mathematical Modelling at RAU. He earned his PhD in Mathematics from Yerevan State University, where his research focused on the index of regular hypoelliptic operators. Dr. Darbinyan has extensive experience in academia and research, having previously served as the head of RAU's Department of Mathematics and Mathematical Modelling. He is a co-founder and director of Corfmann LCD and a co-founder of AI Armenia, where he works on advancing artificial intelligence and machine learning within the region. As a professor, he teaches a broad range of courses, including Mathematical Analysis, Big Data, and Data Mining, emphasizing practical applications of theoretical mathematics.

SPEAKERS



Tatul Saghatelyan, MD (Armenia)

Board member Armenian Association of Digital Health (AADH); Consultant, Research and Education Center of Digital Health (CDH), Russian-Armenian University, Yerevan, Armenia; Department Head, Department of Radiation Oncology, National Center of Oncology, Yerevan, Armenia; Associate Professor, Chair of Oncology, Yerevan State Medical University, Yerevan, Armenia

Scientific Session - Mobile Mammographic Screening Program in Armenia: IT Infrastructure and Pilot Implementation

Dr. Tatul Saghatelyan is a distinguished radiation oncologist with over 20 years of professional experience. He is nationally recognized for his contributions to the field of radiation oncology in Armenia. Dr. Saghatelyan completed his medical studies at Yerevan State Medical University (YSMU), graduating with honors in 1998, and subsequently completed his residency in oncology and radiotherapy at the National Institute of Health (NIH) of Armenia in 2002.

In 2008 Dr. Saghatelyan has joined the Armenian Association of Digital Health (AADH) as a Board Member. In this capacity, he has contributed to all projects and programs of the Association, including the development of the Master of Digital Health (MDH) in cooperation with the Russian-Armenian University (RAU) and the Deggendorf Institute of Technology (DIT). Since 2024 he is a consultant of the Research and Education Center of Digital Health (CDH), Russian-Armenian University, Yerevan, Armenia.

In 2016, Dr. Saghatelyan was appointed Head of the Radiation Oncology Department at the National Center of Oncology (NCO) in Yerevan, where he has successfully led the department for over eight years. Under his leadership, the department has advanced in implementing new radiotherapy techniques and improving patient care standards. Dr. Saghatelyan's expertise is further recognized through his role as the National Counterpart for multiple IAEA Technical Cooperation projects. He serves as the Vice-Chair of the Scientific Council at NCO and is an expert member of Armenia's National Cancer Control Board.

His research interests include the radiotherapy of breast, lung, and prostate cancers, as well as the integration of information and communication technology in oncology.

Additionally, Dr. Saghatelyan has been a dedicated faculty member at YSMU since 2009, contributing to the training and education of future oncologists. He has participated in various national and international scientific events as an invited lecturer, expert, and faculty member.

SPEAKERS



Benjamin Friedrich, PD Dr. med. (Germany)

Ad-Board Member of Data Saves Lives Germany
CMO of Temedica, Privatdozent at TUM

Workshop @ Data Saves Lives (DSL)
**GERMANY: Patient Involvement - Burden
or Unknown Resource?**

SPEAKERS



Eugene Amponsah, M.Sc. Digital Health (Ghana)

Dialogue @ DigiHealth Alumni - Research, Education, Workforce

Eugene Antwi Amponsah is a seasoned software testing professional with a strong background in digital health and cybersecurity. He holds a Bachelor's degree in Information Technology and a Master's degree in Digital Health from Deggendorf Institute of Technology, demonstrating his commitment to technical expertise and advancing healthcare technology. Eugene is an ISTQB Certified Tester and has received Mastery Awards in both Application Security Analysis and Mobile Application Development from IBM. Currently, he serves as a Software Tester at FotoFinder Systems GmbH in Germany, where he upholds high standards of quality and security in healthcare software solutions. Previously, he worked as a consultant at Deloitte Touche Tohmatsu Limited, gaining valuable experience in digital transformation and quality assurance, which he brings to his current role.

SPEAKERS



Thomas Spittler, Prof. Dr., Health Informatics at DIT (Germany)

DH project in rural Bavaria

**DIALOGUE @ StMGP - Digital Health:
Implementing at Scale (How Can
International and Bavarian Experiences
Cross-Fertilize Each Other)**

Prof. Dr.-Ing. Thomas Spittler is an outstanding personality in the field of digital health. His core competencies include digitalisation in healthcare, data analytics, applied artificial intelligence, healthcare research, science communication, digital health literacy, with a special focus on prevention for migrants. Prof Spittler, who has dedicated himself to the topic of quality of life in rural areas, uses his expertise to make outstanding contributions to digital health with major projects such as med4PAN and TRIO. In these projects technologies that help to ensure professional healthcare in rural regions are being investigated. These include the transport of medical goods using a semi-autonomous drone, wound management with AR and AI, emergency care with mobile devices, medical training using VR glasses and the localisation of objects. In addition, research was carried out into how knowledge can be transferred profitably and how scientists can communicate their findings in an understandable way and

at eye level in terms of science communication. His commitment to improving healthcare through technology is reflected in his recent publications, including work on virtual teaching frameworks, interdisciplinary teaching, sustainable health innovations, sensor devices for therapy and prevention. His contributions in this field emphasise his central role in promoting digital health education and research.

SPEAKERS



Mahsa Rouzkhatooni, M.Sc. Digital Health (Iran)

Dialogue @ DigiHealth Alumni - Research, Education, Workforce

Mahsa Rouzkhatooni is a database administrator who graduated from Digital Health Master's program at DIT. Holding a Bachelor's degree in Health Informatics and a strong background in data science and large-scale databases, completing this Master's program added valuable knowledge in both the conceptual and technical aspects of the field. Mahsa began her technical career in a new setting, at BMW, alongside her academic pursuit of digital health, where she completed her internship and Master's thesis, which then transitioned into her full-time position as a database administrator, providing her with hands-on experience in data management.

Mahsa's commitment to advancing healthcare through her technical expertise has not wavered. She continues to follow developments in data-driven healthcare innovations, motivated by the goal of bringing her technical knowledge back to digital health to contribute to healthcare transformation and improvements in healthcare delivery.

SPEAKERS

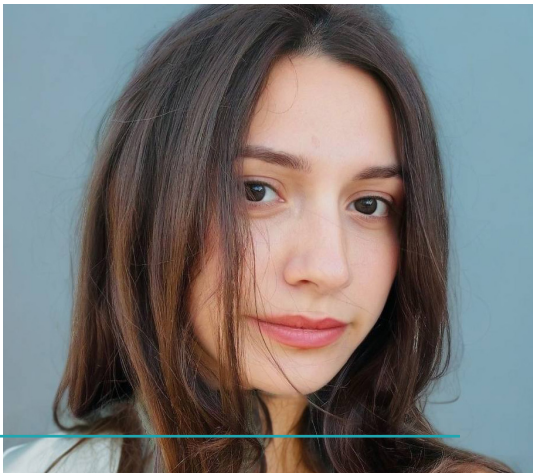


Helana Lutfi , M.Sc.

Featured Keynote: „Integrating Wearables and the Electronic Health Record: Insights from the All of Us Research Program”

After earning my Master of Science in the study program Master of Medical Informatics at Deggendorf Institute of Technology (DIT) - European Campus Rottal-Inn (ECRI) in 2019, I had the privilege of joining the ECRI scientific team, contributing to various healthcare research projects where I was honored to receive two awards for outstanding publications and excellence in research in the years of 2021 and 2022 respectively. Since 2020, I have been pursuing my doctoral studies, focusing on artificial intelligence (AI), user interfaces, machine learning, behavioral analysis, and digital health applications, with the intention of completing this phase of my academic journey in the near future. Studying and working at ECRI has been a rewarding experience, offering a supportive, collaborative and multicultural environment that has greatly enhanced my research and technical skills.

SPEAKERS



Mariam Barseghyan, Faculty of Psychology,
University of Barcelona, Barcelona, Spain

SCIENTIFIC SESSION - Psychological Impact of Breast Cancer and Premature Menopause: Digital Intervention Approach

Mariam Barseghyan is an Erasmus Mundus Master's student in Cyberspace Behavior and e-Therapy, studying at three European institutions: University Lusófona, the University of Barcelona, and Université Paris Cité. As part of her master's program, she is working with the Catalan Institute of Oncology on a project to enhance the mental health and well-being of breast cancer survivors undergoing early menopause. Her work is integrated into the IConnecta't Digital Health Program, which uses technology to provide holistic support for both the physical and emotional aspects of patient care.

Her academic and professional background combines expertise in computer science, cybersecurity, and healthcare. Mariam's current research focuses on developing digital solutions that provide personalized support to patients. She works within a multidisciplinary team, seeking to reduce emotional stress and improve overall well-being by tailoring interventions to each patient's unique needs.

Mariam earned her Bachelor's degree in Computer Science and Information Security from the National Polytechnic University of Armenia. She further broadened her academic experience through an Erasmus+ exchange program at Lublin University of Technology in Poland, where she studied electrical engineering and computer science.

Mariam brings nearly two years of software engineering experience from Synopsys and the Yerevan Telecommunication Research Institute. She is eager to leverage her technical expertise to advance healthcare, particularly in developing predictive models and preventive strategies, all while prioritizing the security of digital health solutions.

SPEAKERS



David Naguib, M.Sc. Digital Health (Egypt)

SCIENTIFIC SESSION - The Adoption and Use of AI in EHR-Based Pharmacovigilance: Reality, Challenges, and Potential Impact on the Early Detection of ADRs in Germany and Egypt (Comparative Study)

David Naguib is a recent graduate with a master's in medical informatics (Digital Health) and a bachelor's in pharmacy with honor. He has over seven years of experience as a pharmacist across Egypt, Kuwait, and Germany. During his master's studies, he managed a project mapping pharmaceutical substance catalog for (BfArM) to SNOMED CT. His thesis focused on the use of AI in electronic health records in Germany and Egypt. He currently works at a pharmacovigilance (PV) service provider company, with the focus of digitalization of PV. He is passionate about the digital Pharma specially the digitalization of PV and the secondary use of healthcare data.

PROGRAMME

Thu, 14 November

ONSITE at European Campus Rottal-Inn, Pfarrkirchen ONLINE on Zoom	
8:00 - 9:30	Arrival & Registration
9:30 - 9:45	OPENING Host: Prof. Georgi Chaltikyan (Founder and Head of DigiHealthDay (DIT, GERMANY & RAU/AADH, ARMENIA)) Speakers: Prof. Dipak Kalra (International Chair), Prof. Horst Kunhardt (Scientific Chair), Dr. Lars Lindsköld (President of EFMI), Prof. Rajendra Gupta (Board of ISfTeH)
9:45 - 11:15	DIALOGUE @ DigiHealth Alumni - Research, Education, Workforce Hosts: Camila Tomikawa (HIMSS, GERMANY) & Oscar Blanco (DIT, GERMANY) Speakers - MDH Alumni: Ashwanthi Balasubramanian (USA), Mahsa Rouzkhatooni (IRAN), Eugene Amponsah (GHANA), Helana Lutfi (GERMANY)
11:15 - 11:30	Coffee Break
11:30 - 13:00	SCIENTIFIC SESSION Hosts: Fara Fernandes (DIT, GERMANY) & Prof. Martin Gerdes (UiA, NORWAY) Speakers: David Naguib (DIT, EGYPT), Mariam Barseghyan (UB, SPAIN), Dr. Tatul Saghatelian (RAU/AADH, ARMENIA), Prof. Arman Darbinyan (RAU, ARMENIA), Prof. Arsen Arakelyan (RAU, ARMENIA), Prof. Ozar P. Mintser (NHI, UKRAINE)
11:30 - 13:00	WORKSHOP @ Data Saves Lives (DSL) GERMANY: Patient Involvement - Burden or Unknown Resource? Hosts: Birgit Bauer & Dr. Benjamin Friedrich (DSL, GERMANY)
13:00 - 14:00	Lunch & Networking Break
14:00 - 15:30	DIALOGUE @ DigiHealth Inno Lab - From Idea to Market Hosts: Pilar Fernández Hermida (i-Expand, UK/UAE) & Dmitry Etin (AUSTRIA) Speakers: DIT Student Project Teams Jury: Pilar Fernández Hermida (i-Expand, UK/UAE), Prof. Mouzhi Ge (DIT, GERMANY), Prof. Dominik Böhler (DIT, GERMANY), Dr. Robin Ohannessian (RAU/AADH, ARMENIA), Miguel Coehlo (MACH - PRINCIPAL SPONSOR)
15:30 - 15:45	Coffee Break
15:45 - 17:15	DIALOGUE @ EFMI - Navigating the Divide: Informatics as Science & Digitalization as Practice Hosts: Camila Tomikawa (HIMSS, GERMANY) & Lars Lindsköld (EFMI, SWEDEN) Featured Keynote: „Why we need to advance from data to knowledge level for successfully transforming health ecosystems“ (20 min) Speaker: Prof. Bernd Blobel (EFMI, GERMANY)
Featured Keynote: „Integrating Wearables and the Electronic Health Record: Insights from the All of Us Research Program“ (20 min) Speaker: Prof. Evan Brittain (All of Us, USA) Panelists: Helana Lutfi (DIT, GERMANY), Dr. Dennis Rausch (Dedalus, GERMANY), Dr. Robin Ohannessian (RAU/AADH, ARMENIA)	
17:15 - 17:30	Coffee Break
17:30 - 18:30	INTERACTIVE DISCUSSION - “El Futuro Es Nuestro”: Uniting Innovation and Experience Hosts: Pilar Fernández Hermida (i-Expand, UK/UAE) & Armin Scheuer (Lemonmint, GERMANY) Featured Speaker: Hal Wolf (CEO of HIMSS, USA) Presenters - MDH Students: Hazel D’Coutu (INDIA), Peachapong Poolpol (THAILAND), Rupa Ramachandran (INDIA), Hong Ear (USA)

Fri, 15 November

CO-HOSTED BY BAVARIAN STATE MINISTRY OF HEALTH, CARE and PREVENTION (StMGP)

ONSITE at Artrium, Bad Birnbach ONLINE on Zoom	
8:30 - 8:45	BUS TRANSFER FROM PFARRKIRCHEN
8:45 - 9:30	REGISTRATION
9:30 - 9:45	OPENING Hosts: Prof. Georgi Chaltikyan, Founder and Head of DigiHealthDay (DIT) & Dr. Georg Münzenrieder (StMGP)
WELCOME ADDRESSES Judith Gerlach (Bavarian Health Minister, video address), Kurt Vallée (Deputy District Administrator Rottal-Inn), Hans Hirl (Third Mayor of Pfarrkirchen), Prof. Marcus Herntrei (Vice-President of DIT), Prof. Christian Steckenbauer (Dean European Campus) Benedikt Aichinger (MACH - PRINCIPAL SPONSOR)	
9:45 - 11:15	DIALOGUE @ StMGP - Global Digital Health: From Bavaria to the World. And Back. Hosts: Angela Ahrendt (FTI Consulting, GERMANY) & Armin Scheuer (Lemonmint, GERMANY) Featured Keynote: “Transforming our Health Ecosystem” (20 min) Speaker: Hal Wolf (CEO of HIMSS, USA)
Featured Keynote: “Digital Health Close to the Patients: The Bavarian Approach” (20 min) Speaker: Dr. Georg Münzenrieder (StMGP) Panelists: Hal Wolf (HIMSS), Dr. Georg Münzenrieder (StMGP), Ryan Dos Santos (WHO), Benedikt Aichinger (MACH - PRINCIPAL SPONSOR)	
11:15 - 11:30	Coffee Break
11:30 - 13:00	DIALOGUE @ StMGP - Digital Health: Implementing at Scale (How Can International and Bavarian Experiences Cross-Fertilize Each Other) Hosts: Laura Stahl (Bayern Innovativ, GERMANY) & Prof. Rajendra Gupta (Digital Health Academy, INDIA) Speakers: Prof. Michael Nerlich (UKR, GERMANY), Prof. Thomas Spittler (DIT, GERMANY), Bence Török (BrightHills - PREMIER SPONSOR)
13:00 - 14:00	Lunch & Networking Break
14:00 - 15:30	INTERACTIVE DISCUSSION - AI Needs High-Quality Health Data at Scale: Will the EHDS deliver? Hosts: Eva Sabajova (Digital Health SLOVAKIA) & Prof. Dipak Kalra (i-HD, UK) Speakers: Birgit Bauer (DSL GERMANY), Dmitry Etin (AUSTRIA), Prof. Henrique Martins (ISCTE, PORTUGAL)
15:30 - 15:45	Coffee Break
15:45 - 17:15	DIALOGUE - MOONSHOT: The Future of AI and Cutting-Edge Digital Health Technologies Hosts: Angela Ahrendt (FTI Consulting, GERMANY) & Prof. Rajendra Gupta (Digital Health Academy, INDIA) Speakers: Pilar Fernández Hermida (i-Expand, UK/UAE) Philippe Gerwill (SWITZERLAND), Bogi Eliassen (DENMARK), Lars Lindsköld (EFMI, SWEDEN)
17:15 - 18:00	CLOSING Host: Prof. Georgi Chaltikyan, Founder and Head of DigiHealthDay (DIT, GERMANY & RAU/AADH, ARMENIA)
18:00 - 22:00	DigiHealthNight RECEPTION Drinks, Food, Music, Networking
22:00 - 22:15	BUS TRANSFER TO PFARRKIRCHEN

PROGRAMME

Thu, 14 November

8:00 - 9:30

Registration & Arrival

9:30 - 9:45

Opening

Host:

- Prof. Georgi Chaltikyan (Founder and Head of DigiHealthDay (DIT, GERMANY & RAU/AADH, ARMENIA))

Speakers:

- Prof. Dipak Kalra (International Chair)
- Prof. Horst Kunhardt (Scientific Chair)
- Dr. Lars Lindsköld (President of EFMI)
- Prof. Rajendra Gupta (Board of ISfTeH)

9:45 - 11:15

Dialogue @ DigiHealth Alumni: Research, Education, and Workforce

Hosts:

- Camila Tomikawa (HIMSS, Germany)
- Oscar Blanco (DIT, Germany)

Speakers:

- Ashwanthi Balasubramanian
- Eugene Amponsah
- Helana Lutfi
- Mahsa Rouzkhatouni

Introduction:

Overview of the Master's Course Over the Years

This keynote will present data from the Studies Centre, tracing the evolution of the Master's program, changes in student demographics, and insights into cohort trends over the years. [15 minutes]

How Digital Health Studies and Literacy Can Impact the Future of Healthcare

A discussion on the role of digital health education and the importance of health literacy for shaping a resilient healthcare system. [15 minutes]

Talks: Digital Health Alumni Voice

Series of talks exploring the journey and experiences of alumni in Digital Health, reflecting on career development, industry trends, and the impact of their education. Speakers will address key topics relevant to diverse audiences:

Panel Discussion: Global Strategy on Digital Health 2020-2025

The panel will review the progress on the WHO's Global Digital Health Strategy, considering recent developments (pandemic responses, e-prescriptions, AI applications in healthcare, and digital health policies). Alumni and recent graduates will discuss the outlook for digital health in the years to come. [30-40 minutes]

PROGRAMME

Thu, 14 November

11:30 - 13:00

Scientific Session

Hosts:

- Fara Fernandes (DIT, Germany)
- Prof. Martin Gerdes (UiA, Norway)

Speakers:

- David Naguib (Medical Informatics MSc, Deggendorf Institute of Technology)
- Mariam Barseghyan (Faculty of Psychology, University of Barcelona, Spain)
- Tatul Saghatelian (National Center of Oncology, Yerevan, Armenia)
- Arman Darbinyan (Director, Institute of Mathematics and Informatics, Russian-Armenian University)
- Arsen Arakelyan (Institute of Molecular Biology NAS RA, Yerevan, Armenia)
- Ozar P. Mintser (Shupyk National Healthcare University of Ukraine, Ukraine)

Talks:

This session brings together researchers and practitioners to discuss groundbreaking scientific advancements in digital health, AI in medical informatics, and personalized medicine. Topics cover a range of digital interventions and technologies, from AI-driven pharmacovigilance and digital psychology interventions to automated cardiac diagnostics and national genomic projects. Each speaker will provide insights into their specialized field, focusing on the practical implementation, challenges, and future potential of these innovations in healthcare.

David Naguib: The Adoption and Use of AI in EHR-Based Pharmacovigilance: Reality, Challenges, and Potential Impact on the Early Detection of ADRs in Germany and Egypt (Comparative Study)

This presentation will explore the current landscape and challenges of AI adoption in pharmacovigilance, particularly for detecting adverse drug reactions. David Naguib will discuss comparative insights between Germany and Egypt, examining how AI is reshaping pharmacovigilance through Electronic Health Records (EHR).

Mariam Barseghyan: Psychological Impact of Breast Cancer and Premature Menopause: A Digital Intervention Approach

Mariam Barseghyan presents a study on the psychological effects of breast cancer and premature menopause, emphasizing the role of digital interventions in supporting mental health and resilience for affected individuals.

Tatul Saghatelian: Mobile Mammographic Screening Program in Armenia: IT Infrastructure and Pilot Implementation

This session will introduce Armenia's mobile mammographic screening initiative, discussing its IT infrastructure, operational challenges, and initial outcomes of the pilot program aimed at improving early breast cancer detection in remote regions.

Arman Darbinyan: Automatic ECG Analysis Using Deep Learning

Arman Darbinyan will present advancements in ECG analysis, focusing on deep learning models that enhance accuracy and efficiency in cardiac diagnostics through automation.

Arsen Arakelyan: Armenian Genome Project: Path to Personalized Medicine in Armenia

Arsen Arakelyan discusses the Armenian Genome Project, a pioneering initiative in personalized medicine. The project's goal is to tailor healthcare approaches based on genetic profiling, paving the way for precision medicine in Armenia.

Ozar P. Mintser: Proactive and Reactive Involvement of Artificial Intelligence Methods for Knowledge Tracing

Ozar P. Mintser explores how AI can proactively and reactively contribute to knowledge tracing, providing insights into its application in medical education and continuous learning in healthcare settings.

PROGRAMME

Thu, 14 November

11:30 - 13:00

Workshop @ Data Saves Lives Germany (DSL DE) - Patient Involvement: Burden or Unknown Resource?

Hosts:

- Birgit Bauer (DSL DE)
- PD Dr. med. Benjamin Friedrich (AdBoard Member DSL DE, CMO & Founder, Temedica)

Session Description:

This interactive workshop explores the theme of patient and citizen engagement in digital health, addressing whether patient involvement serves as a valuable resource or an added burden in the development and application of healthcare innovations. Aimed at students and participants interested in patient-centered healthcare design, the workshop seeks to foster meaningful dialogue on collaborative healthcare strategies.

Structure:

Part 1: Why Are Patients an Unknown Resource? (50 minutes)

This segment presents two perspectives on patient involvement:

- **The Development/Company Perspective:** Presented by Benjamin Friedrich (20 minutes)
 - Importance of integrating the patient voice in healthcare innovation.
 - Strategies for identifying, engaging, and negotiating with patients.
 - Addressing regulatory and policy considerations in patient-company collaborations.
 - Benefits and challenges of co-creation with patients
- **The Patient and Advocacy Perspective:** Presented by Birgit Bauer (20 minutes)
 - Overview of patient types, from regular patients to patient experts.
 - Patient expectations and the role of participation in healthcare.
 - Practical considerations for collaboration, including accessibility and respectful communication.
 - Ethical considerations, emphasizing patient empowerment over exploitation.
- **Q&A Session:** (10 minutes)
 - An open forum for participants to ask questions and delve deeper into patient engagement challenges.

Part 2: The Challenge / The Discussion (40 minutes)

A collaborative discussion with both in-person and online participants, aiming to outline a roadmap for patient-company partnerships. Using interactive tools, participants will share insights and propose strategies for effective patient collaboration in digital health.

Outcome:

The insights and ideas generated during this session will be compiled into an article, paper, or journal entry for the Digi Health Day Journal, summarizing the workshop's findings on patient participation and its role in digital innovation.

PROGRAMME

Thu, 14 November

14:00 - 15:30

DIALOGUE @ DigiHealth Innovation Lab – From Idea to Market

Hosts:

- Pilar Fernandez Hermida (i-Expand, UK/UAE)
- Dmitry Etin (Digital Health Strategist, Austria)

Speakers:

- DIT Student Project Teams (5 Presentations)

Jury Panel:

- Pilar Fernández Hermida (i-Expand, UK/UAE)
- Prof. Mouzhi Ge (Deggendorf Institute of Technology, Germany)
- Prof. Dominik Böhler (Deggendorf Institute of Technology, Germany)
- Dr. Robin Ohannessian (RAU/AADH, Armenia)
- Miguel Coelho (MACH - PRINCIPAL SPONSOR)

Session Description:

This high-energy pitch contest provides a platform for aspiring digital health innovators from the Deggendorf Institute of Technology to present their cutting-edge projects. In this unique “Innovation Lab” session, student teams will showcase their ideas, from visionary concepts to actionable solutions, tackling some of the most pressing challenges in healthcare today.

Each team will have a limited time to pitch their project, highlighting the potential impact, feasibility, and market readiness of their innovations. They will face questions from an expert jury comprised of seasoned professionals and academics, who bring diverse perspectives from digital health, entrepreneurship, and industry expertise.

The Project Pitch Contest encourages students to think like entrepreneurs, challenging them to bridge the gap between academic research and market demand. With a focus on real-world application, teams will need to demonstrate not only the innovation behind their ideas but also their strategic approach to commercialization, sustainability, and scalability.

Session Highlights:

- **Inspiration and Innovation:** Watch as young innovators bring fresh perspectives to digital health, from AI-driven solutions to digital therapeutics and health data analytics.
- **Expert Feedback:** Each presentation will be met with constructive feedback from a distinguished jury, offering students valuable insights to refine and advance their projects.
- **Startup Spirit:** This session celebrates the spirit of entrepreneurship, encouraging students to push the boundaries of traditional healthcare models and create impactful, patient-centered solutions.

The session will culminate in the announcement of the top project, with the winning team receiving mentorship opportunities and resources to further develop their idea. Join us for an inspiring afternoon and witness the future of digital health innovation!

PROGRAMME

Thu, 14 November

15:45 - 17:15

Dialogue @ EFMI - Navigating the Divide: Informatics as Science and Digitalization as Practice

Hosts:

- Camila Tomikawa (HIMSS, Germany)
- Lars Lindskold (EFMI, Sweden)

Featured Online Keynote:

Professor Bernd Blobel (Germany)

Title: Why We Need to Advance from Data to Knowledge Level for Successfully Transforming Health Ecosystems

Description: Professor Blobel will explore the critical need to elevate healthcare informatics from data collection to actionable knowledge, emphasizing its role in the ongoing transformation of health ecosystems. [20 minutes]

Featured Online Keynote:

Professor Evan Brittain (USA)

Title: Integrating Wearables and the Electronic Health Record: Insights from the All of Us Research Program

Description: Professor Brittain offers insights from the All of Us Research Program, focusing on the integration of wearable technology with Electronic Health Records (EHR) to drive personalized healthcare and data-informed practices.

Panelists:

- Helana Lutfi (DIT, Germany)
- Dr. Dennis Rausch (CMO at Dedalus)
- Dr. Robin Ohannessian (RAU/AADH, Armenia)

Session Theme: Navigating the Divide: Informatics as Science and Digitalization as Practice

This dialogue session aims to explore the delicate balance and interplay between informatics as a scientific discipline and digitalization as a practical application in healthcare. By positioning informaticians at the intersection of science and practice, the session seeks to identify ways to bridge these two realms for a unified approach to healthcare innovation.

Session Description:

Drawing inspiration from ancient Greek philosophy—particularly Heraclitus' concept of **panta rhei** („everything flows“) and the Logos as a unifying principle—this dialogue examines how informatics and digitalization, despite their distinctions, can harmonize to advance healthcare. Just as Heraclitus highlighted the interconnectedness of opposites, the session will explore how scientific rigor in informatics can complement the pragmatic application of digital solutions, creating a more cohesive healthcare ecosystem.

The session will open with a reflective keynote by Professor Bernd Blobel, providing a theoretical foundation for the discussion. This keynote will be complemented by Professor Evan Brittain's insights on data integration from wearable devices and EHRs, drawing parallels to modern challenges in digital health. These perspectives will pave the way for an enriching panel discussion on the philosophical and practical foundations of informatics, enriched by expert contributions from Dennis Rausch and Robin Ohannessian.

Objectives of the Dialogue:

- To examine the philosophical underpinnings of informatics as a science and its impact on digital health practices.
- To discuss strategies for integrating data-driven insights with digital technologies to improve patient care.
- To explore future roles for informatics professionals in bridging the gap between scientific research and practical applications in healthcare.

This dialogue invites participants to reflect on their roles as informaticians and digital health practitioners, considering how historical perspectives and scientific methodologies can inform a balanced approach to healthcare transformation. The session will culminate in a roadmap for future explorations, including an upcoming webinar led by Professor Blobel, aimed at deepening these discussions and fostering collaborative growth within the digital health community.

PROGRAMME

Thu, 14 November

17:30 - 18:30

Interactive Discussion - „El futuro es nuestro“: Uniting Innovation and Experience

Hosts:

- Pilar Fernández Hermida (i-Expand, UK/UAE)
- Armin Scheuer (Lemonmint, Germany)

Featured Speaker:

Hal Wolf (HIMSS, USA)

Title: Advancing Digital Health: People, Processes & Technology

Description: Hal Wolf will discuss the foundational role of people, processes, and technology in advancing digital health, emphasizing the interplay between innovation and human-centered design.

MDH Student Presenters:

Hazel D’Coutu (India)

Title: Improving Diabetes Management in Elderly Populations Using Digital Health Solutions in Kerala, India

Description: Hazel D’Coutu shares insights on deploying digital tools to enhance diabetes care for elderly patients in Kerala, tackling unique challenges faced by aging populations in a rapidly evolving healthcare landscape.

Peachapong Poolpol (Thailand)

Title: Streamlining Patient Referrals in Thailand: Addressing System Gaps and Future Opportunities

Description: Peachapong Poolpol addresses the critical need for efficient patient referral systems in Thailand, exploring current gaps and potential digital solutions to optimize patient pathways.

Rupa Ramachandran (India)

Title: Bridging the Menopause Awareness Gap in Rural India: Engaging Men Through Innovative ATM-Based Interventions

Description: Rupa Ramachandran presents an innovative approach to raising awareness about menopause in rural India, using ATMs as an unconventional yet effective platform for public health education.

Hong Ear (USA)

Title: Implementing Global Data-Sharing for Chronic Disease Management

Description: Hong Ear discusses the importance of cross-border data-sharing initiatives in managing chronic diseases, highlighting the potential of global collaboration to improve patient outcomes.

Session Description:

The future of healthcare is in our hands, and the time to make an impact is now. This dynamic and interactive session brings together the innovative visions of emerging healthcare leaders with the seasoned expertise of professionals who have shaped the industry. At its heart, the session embraces the idea that while knowledge is shared globally, solutions must be tailored to local challenges. Let’s explore ideas together - and unite innovation and experience to drive meaningful change in healthcare.

Key Themes:

- The importance of local adaptation in global health solutions.
- Integrating technology, culture, and community needs to improve healthcare access and outcomes.
- Fostering a collaborative environment where diverse experiences and fresh perspectives intersect to inspire actionable strategies for the future.

PROGRAMME

Fri, 15 November

8:45 - 9:30

Registration & Arrival

9:30 - 9:45

Opening

Hosts:

- Prof. Georgi Chaltikyan (Founder and Head of DigiHealthDay)
- Dr. Georg Münzenrieder (StMGP)

Welcome Addresses:

- Judith Gerlach (Bavarian Health Minister, video address)
- Kurt Vallée (Deputy District Administrator Rottal-Inn)
- Hans Hirl (Third Mayor of Pfarrkirchen)
- Prof. Marcus Herntrei (Vice-President of DIT)
- Prof. Christian Steckenbauer (Dean European Campus)
- Benedikt Aichinger (MACH - PRINCIPAL SPONSOR)

9:45 - 11:15

DIALOGUE @ StMGP - Global Digital Health: From Bavaria to the World. And Back

Hosts:

- Angela Ahrendt (FTI Consulting, GERMANY)
- Armin Scheuer (Lemonmint, GERMANY)

Speakers:

Hal Wolf (HIMSS, USA)

Title: Transforming Our Health Ecosystem

Description: Hal Wolf will explore the essential components required for healthcare transformation, focusing on global strategies that can inspire and guide Bavaria's digital health initiatives. [20 minutes, 09:45 - 10:05]

Dr. Georg Münzenrieder (Ministry of Health, Bavaria, Germany)

Title: Digital Health Close to the Patients: The Bavarian Approach

Description: Dr. Münzenrieder will present Bavaria's unique approach to digital health, emphasizing patient-centered solutions that align with local healthcare needs and priorities. [20 minutes, 10:05 - 10:25]

Fireside Chat: How Do We Get There? (10:25 - 11:15)

An in-depth discussion featuring key stakeholders on the path forward for Bavaria's healthcare transformation. Panelists will share their perspectives on integrating global best practices with local strategies to build a robust digital health ecosystem in Bavaria.

Participants:

- Georg Münzenrieder (Ministry of Health Bavaria)
- Hal Wolf (HIMSS, USA)
- Ryan Dos Santos (WHO EURO)
- Benedikt Aichinger (MACH - PRINCIPAL SPONSOR)

PROGRAMME

Fri, 15 November

Session Description:

This session is a global knowledge exchange, bringing together thought leaders from Bavaria and international healthcare experts to discuss strategies and innovations that can accelerate Bavaria's digital health transformation. Participants will explore how Bavaria can leverage global expertise in Digital Health and AI to improve local health outcomes and contribute to the global healthcare ecosystem. The dialogue aims to bridge local efforts with international insights, highlighting best practices, policy considerations, and technical frameworks to enable a patient-centered and efficient healthcare system.

Key Segments:

Part 1: Regulatory Aspects

Impulse Presentation - Health Data: From Policy to Reality: Building the European Health Union

Speaker: Angela Ahrendt (FTI Consulting) [10 minutes]

Description: This segment will address the regulatory landscape, focusing on transforming health data policies into actionable frameworks within the European Health Union.

Part 2: Strategic Aspects

Impulse Presentation - Digital Maturity: Getting Ready for Unlocking Health Data

Speaker: Armin Scheuer (Lemonmint) [10 minutes]

Description: Armin Scheuer will discuss strategies to elevate Bavaria's digital maturity, preparing the region to fully harness the potential of health data.

Part 3: Technical Aspects

Impulse Presentation - Technical Considerations and Frameworks

Speaker: Ryan Dos Santos (WHO) [10 minutes]

Description: This segment explores the technical foundations required for a successful digital health ecosystem, focusing on data interoperability and technology infrastructure.

Objectives of the Dialogue:

- To explore global best practices in Digital Health and AI and evaluate their relevance and applicability within Bavaria.
- To foster meaningful collaborations between local and international health professionals, policymakers, and stakeholders.
- To generate actionable recommendations that advance Digital Health and AI initiatives for a modernized and effective healthcare system in Bavaria.

Join us for this thought-provoking session as we delve into the strategic, regulatory, and technical aspects essential to advancing Bavaria's digital healthcare landscape and fostering a globally connected health ecosystem.

PROGRAMME

Fri, 15 November

11:30 - 13:00

DIALOGUE @ StMGP – Digital Health: Implementing at Scale – How Can International and Bavarian Experience Fertilize Each Other?

Hosts:

- Laura Stahl (Bayern Innovative, Germany)
- Prof. Rajendra Pratap Gupta (Digital Health Academy, India)

Session Opening:

Presented by Dr. Rajendra Pratap Gupta (~8 minutes)

Dr. Gupta will open the session by discussing the evolution and impact of Digital Health, particularly highlighting how COVID-19 catalyzed its widespread adoption. He will provide an overview of implementing digital health at scale, emphasizing key learnings from large-scale implementations around the world. This introduction will set the stage for exploring how international and Bavarian experiences can mutually benefit each other, enhancing digital health initiatives globally.

Speakers:

Laura Stahl (Digital Health at Bayern Innovative)

Title: TI Model Region Franconia: Shaping Digital Healthcare Together in a Local Network

Description: Laura Stahl will present Bavaria's „TI model region Franconia,“ an initiative that leverages local networks to collaboratively develop and implement digital healthcare solutions. Her presentation will explore the successes and challenges encountered in fostering a digital health community within the Franconian region. [12 minutes]

Prof. Thomas Spittler (Health Informatics, DIT)

Title: Technologies in Rural Healthcare: Emergency Medicine and Wound Management

Description: Prof. Spittler will discuss digital health applications in rural Bavaria, focusing on technologies that support emergency medicine and wound management. His presentation will highlight the unique needs of rural communities and how tailored digital health solutions can enhance healthcare delivery in remote areas. [12 minutes]

Dr. Michael Nerlich (Former ISfTeH President, President of Sinogerman Medical Society)

Title: Digital Health - A Clinician's View on Progress

Description: Dr. Nerlich will provide a clinician's perspective on the progress and practical impact of digital health. Drawing on his extensive experience, he will discuss the advancements and ongoing challenges in integrating digital health into everyday clinical practice. [12 minutes]

Bence Török (BrightHills, Premier Sponsor)

Title: Beyond Base Camp: Charting a Course for Med-Tech Innovation

Description: Bence Török will discuss the path to med-tech innovation, sharing insights into navigating the regulatory landscape, including the 510(k) process, and the importance of agility in med-tech development. His presentation will guide participants through the critical steps of bringing digital health technologies to market. [12-14 minutes]

PROGRAMME

Fri, 15 November

Session Description:

This session will explore the practical aspects of implementing digital health at scale, drawing on lessons learned from both Bavarian and international projects. Participants will gain insights into Bavaria's digital health initiatives, particularly in the Franconian model region and rural healthcare settings, as well as broader international perspectives. Speakers will address the challenges and strategies involved in scaling digital health solutions, from regulatory hurdles to the importance of local networks and clinician involvement.

The session will conclude with an interactive Q&A, allowing audience members to engage with the speakers on pressing questions related to digital health implementation. Poll questions are prepared as a backup to encourage participation and deepen the discussion on topics such as regulatory timelines, agility in med-tech, and common issues in digital health implementation.

Objectives of the Session:

- To share real-world experiences and challenges from scaling digital health in Bavaria and internationally.
- To foster a collaborative exchange of strategies that enhance the implementation of digital health across different healthcare systems.
- To inspire actionable ideas and recommendations for overcoming obstacles in digital health adoption.

Q&A and Closing Remarks:

The session will conclude with a 30-minute Q&A session, providing attendees the opportunity to ask questions and engage directly with the experts. Laura Stahl will deliver closing remarks, summarizing key takeaways and highlighting the importance of international collaboration in advancing digital health.

PROGRAMME

Fri, 15 November

14:00 - 15:30

INTERACTIVE DISCUSSION - AI Needs High-Quality Health Data at Scale: Will the EHDS Deliver?

Hosts:

- Eva Sabajova (Digital Health Slovakia)
- Prof. Dipak Kalra (i-HD, UK)

Speakers:

- Dmitry Etin
- Prof. Henrique Martins (ISCTE, Portugal)

Session Description:

As artificial intelligence (AI) plays an increasingly vital role in healthcare, the demand for high-quality, large-scale health data grows. This session will explore whether the European Health Data Space (EHDS) can meet the needs of AI innovators by providing the robust, ethically sourced, and well-documented datasets necessary for developing advanced healthcare solutions.

Session Focus:

The success of AI in healthcare depends on access to comprehensive, high-fidelity datasets that reflect diverse populations and meet rigorous quality standards. AI developers need assurance that their data is traceable, free from bias, and aligns with European ethical principles, enabling them to build solutions that are safe, effective, and trusted by end users and regulatory bodies alike.

The EHDS, an initiative by the European Commission, aims to become a central resource for health data across Europe. By aggregating data from healthcare providers, research institutions, public health agencies, and registries, the EHDS promises to support continuity of patient care across borders and create a “gold mine” for AI innovation in healthcare. However, questions remain about whether the EHDS can fulfill these ambitious goals.

Discussion Topics:

- Data Quality and Provenance: Are the measures within the EHDS and AI Act sufficient to ensure high-quality, unbiased, and traceable data for AI development?
- Interoperability and Access: With no mandate for interoperability standards, how feasible will data sharing be across borders and institutions for research and AI innovation?
- Future of the EHDS: Will the optional nature of data quality labeling undermine the value of the EHDS for AI innovators, or can improvements be made to ensure it meets its potential as a reliable resource?

Our expert panel will debate the suitability of the EHDS for supporting AI in healthcare, examining the current regulatory frameworks and the anticipated challenges as the EHDS goes live in early 2025. This session invites participants to engage with thought leaders as they discuss what adjustments may be necessary for the EHDS to truly deliver on its promises and support the future of AI in healthcare.

Objectives of the Dialogue:

- To evaluate the EHDS's capability to provide high-quality health data at scale for AI development.
- To identify potential gaps in data quality, accessibility, and interoperability within the EHDS framework.
- To discuss necessary adjustments to ensure the EHDS meets the needs of AI developers, healthcare providers, and policymakers.

Join us to understand the prospects and challenges of the EHDS as a resource for AI and gain insights into what might be required to make it an indispensable asset for Europe's digital health transformation.

PROGRAMME

Fri, 15 November

15:45 - 17:15

DIALOGUE - MOONSHOT: The Future of AI and Cutting-Edge Digital Health Technologies

Hosts:

- Angela Ahrendt (FTI Consulting, GERMANY)
- Prof. Rajendra Pratap Gupta

Speakers:

- Pilar Fernandez Hermida (i-Expand, UK/UAE)
- Philippe Gerwill (Adviser, Switzerland)
- Lars Lindsköld (EFMI, Sweden)
- Bogi Eliassen (Institute of Future Studies, Denmark)

Session Description:

As Artificial Intelligence (AI) and digital health technologies continue to advance, they bring with them both promise and uncertainty. This Moonshot session invites participants to look critically at the current state of AI and digital health innovations, exploring the hope, hype, and potential disruptions these technologies may introduce to healthcare. The panel will engage with pressing questions around the ethical, social, and economic impacts of AI in healthcare, particularly its implications for job roles, diagnostics, public health, and treatment.

Session Structure:

Introduction: Presented by Prof. Rajendra Pratap Gupta

Dr. Gupta will introduce the session's focus, highlighting the transformative potential of AI in healthcare alongside the challenges and concerns it brings. This introduction will set the stage for an honest and forward-thinking discussion on the future of AI in health.

Presentation-Based Talks: (20 minutes total)

Two expert speakers will provide brief presentations to introduce key concepts and current developments in AI and digital health, setting a foundational context for the panel discussion.

Panel Discussion Topics:

1. AI's Role in Diagnostics, Public Health, and Treatment:

Panelists will discuss the realistic capabilities of AI in these areas, assessing what is currently possible and what remains aspirational.

2. Fears and Concerns Surrounding AI:

AI in healthcare raises important ethical and societal questions. This segment will address common fears, such as data privacy risks, potential biases, and over-reliance on machine-based diagnostics, and explore strategies for addressing these concerns.

3. Impact on Employment Across the Value Chain:

Will AI technology eliminate certain roles within healthcare? Panelists will debate the potential for job redundancies and shifts in responsibilities, discussing how the healthcare workforce might adapt to an AI-integrated future.

PROGRAMME

Fri, 15 November

Audience Q&A:

Following the panel discussion, there will be an interactive Q&A session, providing attendees the opportunity to engage with the panelists on key issues and share their own insights and concerns.

Conclusion: The session will end with a summary of key takeaways and final thoughts on the direction of AI and digital health innovation, emphasizing the importance of a balanced approach that maximizes benefits while minimizing risks.

Objectives of the Discussion:

- To provide a realistic overview of AI's current applications and future potential in healthcare.
- To examine ethical and societal issues associated with AI in healthcare and discuss mitigation strategies.
- To explore the potential impact of AI on healthcare employment and envision how roles might evolve in response to technological advancements.

Join us for this thought-provoking session as we venture into the future of AI and digital health, weighing its potential to transform healthcare against the challenges it presents.

17:15 - 18:00

Closing

Host:

- Prof. Georgi Chaltikyan (Founder and Head of DigiHealthDay)

18:00 - 22:00

DigiHealthNight Reception

HOST & VENUE

The faculty **European Campus Rottal-Inn** is a semi-autonomous branch of the Deggendorf Institute of Technology (abbreviated to DIT. In German the DIT is titled THD – Technische Hochschule Deggendorf, a university of applied sciences in Bavaria). ECRI was established in 2015 as a cross-disciplinary educational institution preparing multilingual, global graduates for international careers in applied healthcare and technical sciences. ECRI offers two full-time study programs in the field of Healthcare Information and Communication Technologies: Bachelor of Health Informatics, and Master of Medical Informatics, both taught in English, targeting not only local but primarily international students.

ECRI is located in the district centre **Pfarrkirchen**, in the region of Lower Bavaria (South-East of Germany). It is a charming touristic town, nestled among rolling, picturesque hills, close to the Austrian border and only one hour's drive away from Deggendorf. Attractive cities nearby are Salzburg, Regensburg and Passau, and Munich is just a 90-minute drive away. The proximity to Austria and the Czech Republic puts the district in the heart of Europe. Pfarrkirchen has excellent school and education facilities, and offers many leisure activities. In the recent years Pfarrkirchen has become culturally renowned in the area due to its exceptional art exhibitions, museum nights and numerous festivals and events throughout the year. In the summer, the old town festival tempts thousands of visitors with its multicultural culinary and musical events.



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Georgi Chaltikyan

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