





# DIGIHEALTHDAY-2021

GLOBAL LOOK AT DIGITAL HEALTH --FROM THE HEART OF EUROPE

INTERNATIONAL SCIENTIFIC SYMPOSIUM

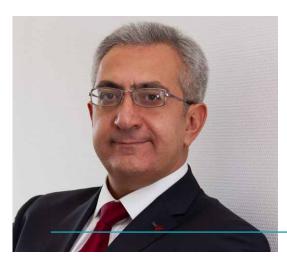
 $\frac{12}{\frac{NOV}{2021}}$ 

## WELCOME

## TO THE DIGIHEALTHDAY-2021

**DigiHealthDay** is a recurring series of international educational and research events dedicated exclusively to Digital Health, organized and hosted by DIT-ECRI, consisting of one-day scientific symposium and a series of premeeting workshops, seminars and special guest lectures. The series explores modern Digital Health and its role in tackling global health problems from a uniquely international and interdisciplinary perspective, with a special focus on Digital Health Education.

## WELCOME ADDRESSES



Prof. Dr. **Georgi Chaltikyan** (Germany) Organising Committee Chair



**Mr. Klaus Holetschek** (Germany) Bavarian State Minister for Health and Care; Video Greeting

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# WELCOME ADDRESSES



**Mr. Bernd Sibler** (Germany) Bavarian State Minister for Science and Arts; Video Greeting



Mr. Wolfgang Beißmann (Germany) 1st Mayor of Pfarrkirchen



Prof. Dr. **Dipak Kalra** (United Kingdom) International Chair

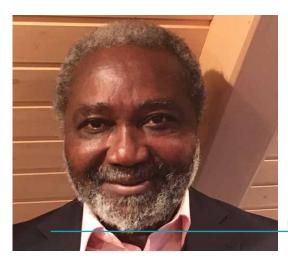
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# WELCOME ADDRESSES



Prof. Dr. Horst Kunhardt (Germany) Scientific Committee Chair



Prof. Dr. Yunkap Kwankam (Switzerland) Executive Director of ISfTeH

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## KEYNOTE



### PROF. RAJENDRA PRATAP GUPTA

Prof. Rajendra Pratap Gupta is a leading public policy expert and featured amongst the top global experts in Digital Health, he has been instrumental in globally pushing Digital Health. He has been involved in major global initiatives on Digital Health and has held, and currently holds, several key positions in the Digital Health arena. He is a Member of the Guidelines Development Group (Digital Health) at the World Health Organization (WHO), Member of the Global Roster of Experts in Digital Health at the WHO, a Board Member and Chairman of the Capacity Building Workgroup of the International Society for Telemedicine & eHealth (ISfTeH), Member of the Steering Committee of the Global Digital Health Index and a Member of the World Economic Forum Expert Network. He has co-authored the Global eHealth Diffusion report by the World Health Organization, besides having served on the Expert Advisory Group for the ,Planning Workbook on ICT for Women's and Children's Health' developed by the PMNCH, WHO, IWG & GSMA.

He has been on advisory roles at the WHO for various projects and was invited to the Inter-Ministerial Policy Dialogue on eHealth Standardization and the 2nd WHO Forum on eHealth Standardization and Interoperability – Geneva, 2014. For his global contribution to Digital Health, Prof. Rajendra was nominated by the World Economic Forum on the Global Agenda Council for Digital Health for 2012-2014. He has served as a Medical Advisor to the Mayo Clinic and Noaber Foundation joint venture on

developing Patient Portals and EHRs. He is the man backing many pathbreaking initiatives and organizations. He is also the Founder of; HIMSS Asia Pacific India Chapter, Continua India, and the Personal Connected Health Alliance-India, Disease Management Association of India (an organization with a Special Consultative Status with the United Nations Economic and Social Council.

In 2018, he was recognized for his global impact on Digital Health by the Personal Connected Health Alliance (A HIMSS Organization). He was conferred the ,Global Impact Award' in Boston at the Connected Health Summit. Prof. Rajendra was recognized for his global contribution to healthcare in 2012 by the Sheriff of Los Angeles, named ,Thought Leader of the Year' three years in a row by ICT Post.

Prof. Rajendra has served at senior-most levels at Fortune 20 & Fortune 500 companies in India and has been invited by the top-most global organizations and government bodies, such as; the United Nations, UNESCO, World Bank, Asian Development Bank, World Health Organization, World Economic Forum, World Trade Organization, International Telecommunication Union and by the Governments of; United States of America, Japan, Algeria, Finland & Bangladesh and the Ministry of Health, Ministry of Human Resource Development, Ministry of Labor and Employment, and The Planning Commission - Government of India, for his views on a diverse range of topics.

He is the author of several reports and five best-selling books - Healthcare Reforms in India - Making up for the lost decades, Your Vote is Not Enough, Your Degree is Not Enough, and Tough Choices & Hard Decisions- Rebuilding India: The Next 25 Years. Digital Health - Truly Transformational Prof. Rajendra's contributions and career have been chronicled as a case study in global health by the Royal Society of Tropical Medicine and Health for their ,Grow Global Initiative.'

Currently, he is Chairperson at some of the most influential committees on Digitization viz; the Committee to draft the National Digital Health Standards, the Dynamic Coalition on Internet & Jobs' at the Internet Governance Forum, United Nations, and the Frontiers of Development Symposium hosted by the Royal Academy of Engineering on behalf of the Royal Society, The Academy of Medical Sciences, and the British Academy.

In his career spanning over two and a half decades, Prof. Rajendra has served on various government committees and has been the Advisor to the Union Health Minister, Government of India. He has played a key role in drafting the National Health Policy for India. Prof. Rajendra was a key member of the 9-member Committee tasked to draft the National Education Policy 2020 and currently divides his time in public policy initiatives and advisory roles.

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## KEYNOTE





### **DR. FILIPPO MARTINO**

Filippo Martino, MD, is Head of Digital Health at the MEDIAN Group and first Chairman of the German Society of Digital Medicine e.V. (DGDM). He studied human medicine at the Hannover Medical School (MHH) and Tongji University of Shanghai. After graduation, he began his medical career in the field of neurology at the University Hospital Carl-Gustav Carus Dresden, where, in addition to clinical work, he also held the position of specialist lecturer in neurology at the Carus Academy Dresden. He was also committed to the medical perspective on digitalization in medicine and gained further experience with his own start-up project. Subsequently, Filippo Martino, MD, supervised topics related to digital health at fbeta GmbH and managed the associated business unit.

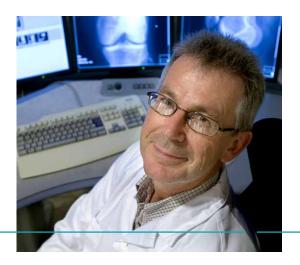
### **PROF. DR. SLYVIA THUN**

Dr. Thun is director of the Core Unit eHealth & Interoperability at the Berlin Institute of Health (BIH) and the Charité - Universitätsmedizin Berlin as well as professor for Information and Communication Technologies at the Hochschule Niederrhein University of Applied Sciences. Her primary research interests are in IT standardization, semantic interoperability, and eCommerce in healthcare. She graduated with Ph.D. in medicine from Rheinisch-Westfälische Technische Hochschule Aachen in 2001, after which she held positions as a senior consultant for SYNAIX Healthcare and as a research assistant at the German Institute of Medical Documentation and Information, Cologne and Ministry of Health in Bonn where she worked on terminology and classification, drug information, and interoperability between software systems in the healthcare sector. In 2011 she joined Hochschule Niederrhein and in 2014 became the director of their eHealth Competence Center.

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## KEYNOTE





## PROF. DR. LARS LINDSKÖLD (EFMI SESSION MODERATOR)

Med. Dr. Lindsköld has a long digitalization experience of Radiology, Pathology, healthdata and Teledermatology (e-Health). His research is based on Interoperability within big data and AI with a focus on Semantic Interoperability driven by profession. Today working together with the medical profession to create a Medical Machine-Readable Lexicon that will increase the automatic portability of data from various IT systems and AI Applications to support better the journey of the disease that will include actors as the individuals, clinician's, researcher and industry.

The need for data increases enormously as many factors, each with a marginal influence, builds the basis for personalization. (Systematic Healthdata). In chronic and cancer disorders, it is specifically vital that the data travel with the patient and continuously extract structured data to continuously feed relevant information to the decision space and faster scale-up solutions to benefit the society. This will be done with Institutions, organizations and companies involved in the transformation of healthcare.

## DR. NAJEEB AL-SHORBAJI

Dr Najeeb Al-Shorbaji is from Jordan. He been working as a volunteer and consultant in eHealth, knowledge management and medical librarianship since March 2017. He worked as Director of Knowledge, Ethics and Research Department at the World Health Organization (WHO/HQ) between September 2008 and August 2015. Between February 1988 and August 2008, he worked as Coordinator for Knowledge Management and Sharing, Regional Advisor for Health and Information and Telecommunication and Information Scientist at the WHO Regional Office in Amman, Alexandria and Cairo.

He holds a PhD in Information Science since 1986 from United Kingdom. He has published over 210 research papers, book chapters and presentations and attended, presented and delivered keynote addresses in over 200 professional conferences and scientific meetings.

Dr Al-Shorbaji is the President of the eHealth Development Association, Jordan, President of the Jordan Library and Information Association, President of the Middle East and North Africa Health Informatics Association, Vice President of the International Medical Informatics Association (IMI), a part-time-lecturer at the PLRI Institute of Medical Informatics at TUB, Germany, Visiting Professor at Ain Shams University, Egypt and is a Fellow of the International Academy of Health Sciences Informatics. He is a member of a number of national, regional and international scientific associations and committees. He is editor and peer reviewer of a number of specialized scientific journals.

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## KEYNOTE





### **DR. NATHAN LEA**

Nathan Lea is the Information Governance Lead for the European Institute for Innovation through Health Data (i~HD) and the Trusted Environment Lead for Cancer Research UK. Nathan's work is on understanding the impact of regulation for data driven innovation in the health sector with a particular focus on shaping research and care. He has focused his work on operational security and design implementation and he has an interest in understanding the legal, ethical and societal impacts and concerns around novel health data uses, particularly in the area of Artificial Intelligence for health management and genomics research.

Nathan recently worked for the National Health Service at University College London Hospitals NHS Foundation Trust as an Information Governance Manager for Research where he led on establishing processes for reviewing applications for health record access to support research studies, including the development of Artificial Intelligence. His current projects with i~HD include assessment of the regulatory requirements for the collection and processing of data from health records, gene sequences, whole slide images and disease registries in the areas of rare diseases and development of machine learning algorithms for use in risk management and care settings.

Nathan has also worked at UCL as a Senior Research Fellow and worked closely with UCL's European Institute on the impact of the General Data Protection Regulation, No Deal Brexit and the implications for American Data Transfers of The European Courts of Justice ruling that would overturn Privacy Shield.

### **MS. TATYANA KANZAVELI**

Tatyana Kanzaveli has gone from a programmer Tatyana to senior executive at Big 5 to founder and recognized as one of the CEO of a startup company along her 20 year top 10 Influential Women career, recognized as a thought leader, mentor in Healthcare IT in 2015 for her ability to guide Fortune 500 and startup and by Forbes as one of companies through business challenges.

She's worked for major companies like PricewaterhouseCoopers and Fujitsu and Tatyana was USSR chess startups in the early days of the Web. Tatyana champion, played in the has personally helped companies jump from O same team with Gary to millions in revenue even during the toughest Kasparov, she loves to economic times. She opened new verticals and cook and kayak. markets.

Today she is the founder and CEO of Open Health Network, the startup in a Big Data, Blockchain and Artificial Intelligence in Healthcare space. PatientSphere by Open Health Network has been featured in Venture Beat, Mobile Health News, and other prominent publications.

She is a mentor at 500Startups and Richard Branson Entrepreneurs Centre and serves on boards for private companies. She also is licensee and organizer of highly notable TEDxBayArea conferences, she is a frequent speaker at US and International conferences on innovation, entrepreneurship and digital health.

Tatyana has been featured in the White House blog, spoke at the United Nations, presented at the first White House Demo Day hosted by the President Obama, did a TEDx talk; keynoted at WEBIT, WSIS and other international conferences

been the top 50 women-led startup in tech founders.

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## KEYNOTE



### PROF. DR. BRIAN E. DIXON

Dr. Dixon currently serves as the Director of Public Health Informatics and an Associate Professor at the Indiana University (IU) Richard M. Fairbanks School of Public Health as well as the Regenstrief Institute's Center for Biomedical Informatics. In addition, Dr. Dixon serves as an Investigator in Residence at the Center on Health Information and Communication, which is part of the Health Services Research & Development Service at the U.S. Department of Veterans Affairs.

Dr. Dixon's research focuses on applying informatics methods and tools to improve population health in clinical as well as public health organizations. His work leverages clinical and administrative data in electronic health records to measure population health, better understand the determinants of health, examine information flow in the health system, and improve outcomes in individuals and populations. Dr. Dixon teaches informatics courses to future clinical as well as public health leaders, and he regularly mentors junior informatics professionals.

Dr. Dixon has published over 80 peer-reviewed publications in highly respected journals, including Pediatrics, JMIR Medical Informatics, Journal of the American Medical Informatics Association, Journal of Biomedical Informatics, BMC Medical Informatics and Decision Making, Vaccine, Journal of Public Health Management and Practice, and Artificial Intelligence in Medicine. He has further published 18 chapters in books, including Population Health Informatics: Driving Evidence-Based Solutions into Practice (2017) as well as Clinical Decision Support: The Road to Broad Adoption (2014). He is further the editor of three highly acclaimed books: Clinical Informatics Study Guide: Text and Review (2016), Health Information Exchange: Navigating and Managing a Network of Health Information Systems (2016), and Public Health Informatics and Information Systems, 3rd Edition (2020). The HIE book received the Book of the Year award from the Health Information Management Systems Society (HIMSS) in 2017. In 2018, Dr. Dixon was named a Research Frontiers Trailblazer by IUPUI, and he was elected to Fellowship within the American College of Medical Informatics (ACMI). Previously, Dr. Dixon was recognized as a Forty Under 40 recipient

Before joining the faculty at Indiana University, Dr. Dixon managed research and development projects for Regenstrief and the Indiana Health Information Exchange. Dr. Dixon also developed health information applications and systems, including tools supporting the standard clinical vocabulary LOINC®, technology supporting the automated reporting of notifiable conditions to public health agencies, and tools for querying large clinical data repositories. Dr. Dixon earned his Bachelor of Arts in computer science from DePauw University; his Master of Public Affairs from Indiana University; and his Doctor of Philosophy in Health Informatics from Indiana University.

by the Indianapolis Business Journal and Outstanding Investigator by the

Regenstrief Institute's Center for Biomedical Informatics. He is also a Fellow

of the Health Information Management Systems Society (HIMSS).

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## PANELIST

#### **DR. GEORG MUENZENRIEDER**

### 2020 - present:

Bavarian State Ministry of Health and Care; Head of the units "Fundamental Issues of Digitization in Health and Care" and "Future and Innovation Projects"; Deputy Head of the Cooperation with Relevant Bodies Unit of the Corona Pandemic Taskforce; Chairman of the Federal-Länder Working Group on Digitization in Health Care; Chairman of the Advisory Board of gematik

### 2017 - 2020:

Bavarian State Ministry of Health and Care; Head of Unit Future Issues/Digitization in Health and Care

### 2015 - 2017:

Federal Foreign Office, Permanent Representation of the Federal Republic of Germany to the EU, responsible for digitization issues, among other things

### 2009 - 2015:

Free State of Bavaria (various positions in ministerial administration)

**Education: Lawyer** 

### PD DR. MED. DOMINIK PFÖRRINGER

PD Dr. med. Dominik Pförringer was born and grew up in Munich before school took him to California. He then studied medicine in Regensburg, and received his doctorate in Munich, where he also began his surgical training. He is a specialist in orthopedics and trauma surgery.

In 2009 he completed the full-time MBA program at INSEAD in Fontainebleau and Singapore and began working for Bain & Company in their healthcare practice as a management consultant in 2010. As part of this activity, he advised hospitals, pharmaceutical companies, insurance companies and private equity teams in the healthcare sector.

In 2010, Dr. Pförringer for the Young Leaders Program of the Atlantikbrücke, a transatlantic alliance to strengthen economic and political relationships. Since then he has actively supported this organization as part of the YL Alumni Program.

In addition, Dr. Pförringer regularly gives lectures on health economic topics at national and international congresses and conducts research in the field of clinical process optimization.

Due to his diverse roles, activities and academic degrees, he maintains an international network spanning many business areas, in which he likes to invest time and energy.

Since 2013, Dr. Pförringer as trauma surgeon and DRG representative of his clinic at the Munich University Clinic "Rechts der Isar" and acts as senior advisor.

has been working intensively for many years on ways of optimizing clinical processes to support and help patients and their journey. He has also been active, as a consultant and advisor in private equity as well as venture capital and actively accompanies startups in the medical field.

He is also the organizer of the annual "Digital Health Summit" DHS and founder of the platform www.MakeHealthDigital.com.

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## PANELIST

#### MS. TATYANA KANZAVELI

Tatyana Kanzaveli has gone from a programmer to senior executive at Big 5 to founder and CEO of a startup company along her 20 year career, recognized as a thought leader, mentor for her ability to guide Fortune 500 and startup companies through business challenges.

She's worked for major companies like PricewaterhouseCoopers and Fujitsu and startups in the early days of the Web.Tatyana has personally helped companies jump from 0 to millions in revenue even during the toughest economic times. She opened new verticals and markets.

Today she is the founder and CEO of Open Health Network, the startup in a Big Data, Blockchain and Artificial Intelligence in Healthcare space. PatientSphere by Open Health Network has been featured in Venture Beat, Mobile Health News, and other prominent publications.

She is a mentor at 500Startups and Richard Branson Entrepreneurs Centre and serves on boards for private companies. She also is licensee and organizer of highly notable TEDxBayArea conferences, she is a frequent speaker at US and International conferences on innovation, entrepreneurship and digital health.

Tatyana has been featured in the White House blog, spoke at the United Nations, presented at the first White House Demo Day hosted by the President Obama, did a TEDx talk; keynoted at WEBIT, WSIS and other international conferences.

Tatyana has been recognized as one of the top 10 Influential Women in Healthcare IT in 2015 and by Forbes as one of the top 50 women-led startup in tech founders.

Tatyana was USSR chess champion, played in the same team with Gary Kasparov, she loves to cook and kayak.

#### MR. ARTUR OLESCH

Artur Olesch is a Berlin-based freelance journalist and correspondent for digital health-related topics. He is the founder of aboutDigitalHealth.com and editor-in-chief of ICT&Health International and OSOZ News. An author of and 500+ articles and health-IT reports, content writer, an influential voice on social media. He mentors startups and guides healthcare organizations aiming to develop digital strategies.

Artur discovered his passion for digital health while working for one of the largest healthcare software providers in Central and Eastern Europe. As a correspondent of the most important conferences in healthcare, Artur describes technological, scientific developments in medicine and their impact on the health and well-being sector today and in the future. Artur works with healthcare and IT organizations like HIMSS, WHO, Copenhagen Institute of Future Studies. He is also currently a member of the 3rd cohort of the SCIANA Healthcare Leaders Network.

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## ABSTRACTS

## PLENARY SESSION 1 HOST: PROF. DR. GEORGI CHALTIKYAN

### **KEYNOTE 1**

TITLE: DIGITAL HEALTH ECOSYSTEM THE ROLE OF ACADEMIA, INDUSTRY AND THE PATIENT GROUPS
SPEAKER: PROF. RAJENDRA GUPTA

Abstract: The keynote address will give a broad overview on Digital Health Ecosystem. With 5G coming and providing the much-needed speed and connectivity, the digital health is poised for a major boom in terms of adoption and will transform the healthcare delivery. Without an ecosystem approach, digital health will not take off in the way it should. The speaker will delve into the constituents of the Digital Health Ecosystem, the role of the academia, industry and the patient groups in making digital health a reality. The speaker being an author of the comprehensive book on digital health (Digital Health – Truly Transformational) will also cover specialties, professions and levels of care delivery and how they can prepare for the digital health revolution with case studies and examples to support his recommendations. Tatyana was USSR chess champion, played in the same team with Gary Kasparov, she loves to cook and kayak.

### **KEYNOTE 2**

TITLE: EVALUATION OF DIGITAL PRODUCTS - CHALLENGES, FUNCTIONS AND OPPORTUNITIES

SPEAKER: DR. FILIPPO MARTINO

## **KEYNOTE 3**

TITLE: ENABLING INTEROPERABILITY OF INFORMATION AND PROCESSES ACROSS HEALTH DOMAINS AND COUNTRIES

SPEAKER: PROF. DR. SYLVIA THUN

Abstract: Medical terminologies and IT standards should be used worldwide. Interoperability improves prevention, diagnostics and therapy and enables global research and translational medicine. Research on semantic interoperability and research data platforms is crucial for a modern and innovative healthcare system.

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## ABSTRACTS

#### PLENARY SESSION 2 HOST: PROF. DR. HORST KUNHARDT

#### **IMPULSE TALK 1**

TITLE: INTEGRATION OF DIGITAL HEALTH SERVICES IN NATIONAL HEALTH SYSTEMS TO ENABLE ACHIEVING OF UNIVERSAL HEALTH COVERAGE SPEAKER: PROF. NAJEEB AL-SHORBAJI

Abstract: The talk defined "integration" and provided the rationale for integrating digital health services in the national health system. Integration is the enemy of silos, independent, disconnected and unpanned applications. This integration may include the use of standards at the national level to facilities interoperability between systems, building capacity and national training of eHealth personnel, integrated information and communication technology infrastructure in health facilities, equitable and timely knowledge sharing and dissemination, national coordinated implementation of an electronic health record system that is an open standard-based and fully recognize the centrality of patients in the health care process and driving eHealth in one direction in support of health care at the national level. Seamless integration requires following a strategy that is not only comprehensive but also a long term one on the basis of the national health situation and priorities. The World Health Assembly Resolution (WHA71.7) of May 2018 urged WHO Member States "to consider, as appropriate, how digital technologies could be integrated into existing health systems infrastructures and regulation, to reinforce national and global health priorities by optimizing existing platforms and services, for the promotion of people-centered health and disease prevention and in order to reduce the burden on health systems. The same resolution urged the Director General of WHO to "facilitate the integration of eHealth in health systems and services, including in the deployment of telemedicine infrastructure in countries where medical coverage is inadequate, in the training of health-care professionals, and in capacity building, in order to improve access to, and quality and safety of, care". The example of the 17 Sustainable Development Goals adopted by the United nations General Assembly in 2015 is an excellent example of integrating these Goals. Achieving a Goal affects and is affected by other Goals. Health is in a central place in the SDGs and represents a complete set of targets. Among these is Target 3.8 (Universal Health Coverage-UHC). Achieving UHC depends on the level of integration of eHealth/digital health in the health system. Equity and leaving no body behind require inclusiveness of eHealth at national level and reaching out to all.

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## PLENARY SESSION 2 HOST: PROF. DR. HORST KUNHARDT

#### **IMPULSE TALK 2**

## TITLE: ARE WE THINKING BROADLY ENOUGH ABOUT THE ETHICS OF AI? SPEAKER:: DR. NATHAN LEA

Abstract: The promise of Artificial Intelligence has been clear for a number of decades but arguably in the last 6 years attention and expectations have intensified. This is partly due to the increase in the availability of compute power and rich data - whether it is personal and directly related to an individual or seemingly innocuous factoids that hold meaning in social media circles. It is also due to a number of anxieties around AI use and high-profile data misuse cases.

Amidst the development of AI and its growth he key areas of ethical concern that have received some coverage involve reliability of its application, bias in the data, fairness, concerns around prejudice and disadvantage, and citizens' autonomy and right to choose.

This talk will explore these themes but will also focus on the other areas of ethical ambiguity that get less coverage - can AI proponents and providers make good on their promises? Are they developing products that will deliver what they promise and to what extent should they be held accountable if they do not? What recourse does the individual citizen or citizenry at large have when AI products act or are compelled Ito act outside of reasonable expectation?

In discussions around this topic Nathan Lea will focus on his experiences of AI provision within the health sector and consider the importance of regulating AI in such a way that it must be regulated alongside data protection, medical devices and other trading standards. This is not just a matter of data protection but AI has broad ranging implications around how an artificial agent that reaches increasing levels of autonomy needs to be regulated in the context of its application.

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## ABSTRACTS

PLENARY SESSION 2 HOST: PROF. DR. HORST KUNHARDT

### **IMPULSE TALK 3**

TITLE: HEALTH INFORMATICS CONTRIBUTIONS TO COVID-19 PANDEMIC RESPONSE AND CONTROL

SPEAKER:: PROF. DR. BRIAN DIXON

Abstract: The novel coronavirus (COVID-19) pandemic significantly impacted health systems across the globe. Identification of infected persons, management of scarce health care resources (including human health workers), and distribution of vaccines were serious challenges faced in every nation. Health informatics played a critical role in solving these challenges by supporting the identification of disease cases, management of hospitalized patients, and administration of vaccinations. Electronic health records as well as telehealth were central components of health system responses to triage and manage care for infected persons. Electronic laboratory reporting, syndromic surveillance, and immunization registries were critical population health tools used by governmental public health agencies to identify, monitor, and mitigate infection in cities, states, and nations. Dashboards also emerged as a crucial tool for health systems and public health. This article describes the roles these information systems played in response to the pandemic and provides comments on future directions for health informatics post-COVID.

### **IMPULSE TALK 4**

TITLE: INNOVATION AND ENTREPRENEURSHIP IN DIGITAL HEALTH
SPEAKER:: TATYANA KANZAVELI

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## PROGRAMME

8:30 - 9:00	Opening and We			Room: FC1 07
	Speakers: Prof. Dr. Georgi Ch Organizing Committe Klaus Holetschek Bavarian State Minis Bernd Sibler (Gerr Bavarian State Minis Wolfgang Beißma 1st Mayor of Pfarrkirc Prof. Dr. Dipak Kal International Chair; Prof. Dr. Horst Kur Scientific Committee Prof. Dr. Yunkap K Executive Director of	naltikyan (Gerree Chair; Opening (Germany) ster for Health an many) ster for Science a snn (Germany) hen; Ira (United Kin nhardt (Germa Chair;	nany) g Address; Id Care, Video Gree nd Arts, Video Gree gdom) ny)	ting;
9:00 - 11:00	Plenary Session Virtual Room 8714		ost: Prof. Dr. Geo	
9:00 - 9:40	Keynote 1: Digital Health Eco The Role of Acade Speaker: Prof. Rajeno	system – emia, Industry		
9:40 - 10:20	Keynote 2: Evaluation of Digi Challenges, Funct Speaker: Dr. Filippo N	ions and Oppo	ortunities	
10:20 - 11:00	Keynote 3: Enabling Interope Across Health Dor Speaker: Prof. Dr. Syl	mains and Cou		ocesses
11:00 - 11:15	Coffee Break			
11:15 - 13:00	Parallel Sessions	s*		
	Host: Prof. Dr. So Lars Lindsköld Ho	cientific ession ost: Prof. Dr. louzhi Ge	CONEDIG Session Host: Frank Lievens	Student Session Host: Prof. Dr. Horst Kunhardt
13:00 - 14:00	Lunch Break			
14:00 - 15:45	Plenary Session Virtual Room 8714		Host: Prof. Dr. Hom ID)   Campus	
14:00 - 14:30	Impulse Talk 1: Integration of Digi Systems to Enabli Speaker: Prof. Najeel	ital Health Ser e Achieving of	vices in Nationa	l Health
14:30 - 14:50	Impulse Talk 2: Are We Thinking E Speaker: Dr. Nathan I		h About the Eth	ics of AI?
14:50 - 15:20	Impulse Talk 3: Health Informatics Response and Cor Speaker: Prof. Dr. Brid	ntrol	s to COVID-19 Pa	andemic
15:20 - 15:40	Impulse Talk 4: Innovation and En Speaker: Tatyana Ka	•	p in Digital Heal	th
16:00 - 17:30	Panel Discussion Virtual Room 8714		Moderator: Prof ( om ID)   Campus	
	The Future of Digities, Addressing the Panelists: Dr. Georg M	he Anxieties, F	Responding to R	isks

*	Paral	iei S	essions	

17:45 - 18:00 Wrap-up and Closing

Tatyana Kanzaveli, Artur Olesch

EFMI Session Virtual Room	Host: Prof. Dr. Lars Lindsköld B7147445781 (Zoom ID)   Campus Room: EC 1.07
11:15 - 11:20	From Why to How, Let the D in Digital Stand for Doing! Speaker: Prof. Dr. Lars Lindsköld
11:20 - 11:50	Building Dynamic Capabilities in Healthcare Organizations

Panelists: Dr. Georg Muenzenrieder, PD Dr. Dominik Pförringer,

11:50 - 12:20	The Management of Semantic and Terminology Infrastructure plays a Key Role for an Effective Health Information System (HIS) Speakers: Dr. Roberta Gazzarata, Prof. Dr. Mauro Giacomini
12:20 - 12:50	Digital Transitioning at a Micro Scale: The Case of a Hospital Automated Cabinet Speaker: Dr. Valentina Lichtner
12:50 - 13:00	Wrap-up and Discussion
Scientific Ses	ssion Host: Prof. Dr. Mouzhi Ge 32353701402 (Zoom ID)   Campus Room: EC 0.13
11:15 - 11:30	Experiences with and Lessons Learnt from an Online Objective Structured Clinical Examination in Medical Undergraduate Students L. Wetzlmair, V. O'Carroll, A. O'Malley,
11:30 - 11:45	Migrating from Monolithic Healthcare Legacy Systems to a FHIR-Compliant Microservice Architecture – SOA Approach J. Okereke, A. Beyer, O. Beyan
11:45 - 12:00	Data Augmentation with Noise Estimation for COVID 19 Detection D. R. Beddiar, M. Oussalah, T. Seppänen
12:00 - 12:15	Synchronous Telemedicine Approach to International Zika Child Research During the COVID-19 Pandemic M. Arroyave-Wessel, S. B. Mulkey
12:15 - 12:30	Smart Communicator for Small Subpopulations Health Assessment Using Steps Instrument V. Romanov, N. Foigt, O. Kovyrova
12:30 - 12:45	Evaluation Of Electro-Photonic Emission Analysis Indicators in Patients With Ischemic Heart Disease O. P. Mintser, M. M. Potiazhenko, G. V. Nevoit
12:45 - 13:00	Developing a Simulated EMR Platform for Undergraduate Courses I. C. F. da Cruz
	nual Consortium Meeting Host: Frank Lievens 39750907323 (Zoom ID)   Campus Room: EC1.13
11:15 - 11:20	Opening and Introduction Speaker: Frank Lievens
11:20 - 11:25	Speaker: Frank Lievens  Overview of ISfTeH Education Activities
11:20 - 11:25 11:25 - 11:35	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year
11:20 - 11:25 11:25 - 11:35	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30 12:30 - 12:55 12:55 - 13:00 Student Sess	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion  Host: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30 12:30 - 12:55 12:55 - 13:00 Student Sess Britial Room 8	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion Host: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt 0ard: Prof. Dr. Horst Kunhardt
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30 12:30 - 12:55 12:55 - 13:00 Student Sess	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion Host: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt, Ms. Helana Lutfi, Mr. Oscar Blanco 81701226045 (Zoom ID)   Campus Room: EC1.17 Introduction to Student R&D Project Contest  A New Telemedicine Service within Primary Healthcare Facilities in Tunisia
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30 12:30 - 12:55 12:55 - 13:00 Student Sess B Virtual Room 8 11:15 - 11:20	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30 12:30 - 12:55 12:55 - 13:00 Student Sess Virtual Room 8 11:15 - 11:20 11:20 - 11:35	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion Host: Prof. Dr. Horst Kunhardt Dard: Prof. Dr. Horst Kunhardt D
11:20 - 11:25 11:25 - 11:35 11:35 - 12:30 12:30 - 12:55 12:55 - 13:00 Student Sess B Virtual Room 8 11:15 - 11:20 11:20 - 11:35	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion  Host: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt, Ms. Helana Lutfi, Mr. Oscar Blanco 81701226045 (Zoom ID)   Campus Room: EC1.17  Introduction to Student R&D Project Contest  A New Telemedicine Service within Primary Healthcare Facilities in Tunisia Balkiss Abdelmoula  Usage and Effectiveness of Digital Health Technology (DHT) as a Tool for the Management of Mental Health in South- West Nigeria during COVID-19 Pandemic Elegbede Adeniyi  Therapeutic Effects Electrical Stimulation, Graded Exercise, Pediatric Zig Zag Zebra Walker and AFO in Syears Old Duchene Muscular Dystrophy Survivors-Single Case Report
11:20 - 11:25  11:25 - 11:35  11:35 - 12:30  12:30 - 12:55  12:55 - 13:00  Student Sess B Virtual Room 8  11:15 - 11:20  11:20 - 11:35  11:35 - 11:50	Speaker: Frank Lievens  Overview of ISfTeH Education Activities Speaker: Dr. Jefferson Fernandes (Director, Education Program, ISfTeH)  Summary of Activities by CONEDIG in the Last One Year Speaker: Fara Fernandes  Review and Report of CONEDIG Activities in 2021 Speaker: Members  Brainstorming & Discussion on Upcoming CONEDIG Events and Activities for 2022 Speaker: Members  Wrap-up and Closing  ion  Host: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt oard: Prof. Dr. Horst Kunhardt Ms. Helana Lutfi, Mr. Oscar Blanco 31701226045 (Zoom ID)   Campus Room: EC1.17  Introduction to Student R&D Project Contest  A New Telemedicine Service within Primary Healthcare Facilities in Tunisia Balkiss Abdelmoula  Usage and Effectiveness of Digital Health Technology (DHT) as a Tool for the Management of Mental Health in South- West Nigeria during COVID-19 Pandemic Elegbede Adeniyi  Therapeutic Effects Electrical Stimulation, Graded Exercise, Pediatric Zig Zag Zebra Walker and AFO in Syears Old Duchene Muscular Dystrophy Survivors-Single Case Report T. Karthikeyan  Digital Health Aging Population Telemedicine Education Mobile Technology Telemedicine for Old People

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