

pHealth 2022 Program

	Tuesday, 8 November 2022	
9:00 – 10:20	Welcome and Keynote Session	
	Chairs: Mauro Giacomini, Italy, Bian Yang, Norway	
	Welcome Address: Thomas Deserno, EFMI President	5'
	Welcome Address: André Teigland, Director, Norsk Regnesentral	5'
	Welcome Address: nn	5'
	Welcome Address: nn	5'
	Welcome Address: nn	5'
	Welcome Address: Bernd Blobel, SPC Chair, pHealth 2022	5'
	Welcome Address: Bian Yang, LOC Chair, pHealth 2022	5'
	Keynote Standards and Principles to Enable Interoperability and Integration of 5P Medicine Ecosystems Bernd Blobel, Pekka Routsalainen, Mauro Giacomini	45'
11:00–11:30	Break	
11:30 – 13:00	The Promotion of Healthcare Transformation to pHealth (Part 1)	
	Session Chairs: Bernd Blobel, Germany, nn, Norway	
	Invited Speech Obstacles of eHealth Capacity Building and Innovation Promotion Initiative in African Countries Flora Nah Asah, Jens Johann Kaasbøll, Kirsti Sarheim Anthun	30'
	Change Management in Hospitals: A Framework Analysis Mahdi Yousefi, Leila Mashhadi, Ali Akbarisari, Zahra Ebrahimi	20'
	Nonalcoholic Steatohepatitis Diagnosis - A Model-Related Personalized Medicine Approach Nassim Douali	20'
	A Bibliometric Analysis of the Trends in the Research on Wearable Technologies for Cardiovascular Diseases Ginette E. A. Kpajouda Job, Jules Degila, S. Arnoud R. M. Ahouandjinou, Vinasetan R. Houndji, M. Lamine Ba	20'
13:00–14:00	Lunch Break	
14:00-15:05	The Promotion of Healthcare Transformation to pHealth (Part 2)	
	Session Chairs: Lenka Lhotska, Czechia, nn, Norway	
	Invited Speech Management of Cancer Patients in the COVID-19 Crisis Using Telemedicine: A Systematic Review Fatemeh Salehi, Leila Mashhadi, Kamran Khazeni, Zahra Ebrahimi	30'
	Invited Speech How the European Innovation Council Programme Can Support DeepTech Innovators in Healthcare Andreas Lymberis	30'
	Identification of Medicinal Products: Providing an Educational Framework Hans Gille, Robert Stegwee	5'
15:05–15:30	Break	
15:30-17:00	Data and Knowledge Management and Methodologies (Part 1)	
	Session Chairs: Diego Lopez, Colombia, nn, Norway	
	Invited Speech	30'

	CTS2 OWL: Mapping OWL Ontologies to CTS2 Terminology Resources Sara Mora, Bernd Blobel, Roberta Gazzarata, Mauro Giacomini	
	FHIR based ContSys Ontology to Enable Continuity of Care Data Interoperability Subhashis Das, Pamela Hussey	20'
	Information System for Integration of Genetic Information and Clinical Knowledge Michal Huptych, Jiří Potůček, Jaromir Doležal	20'
	Analysis of the Representation of Frequent Clinical Attributes in the Unified Medical Language System Baris Güngör, Noemi Deppenwiese, Jonathan M. Mang, Dennis Toddenroth	20'
	Wednesday, 9 November 2022	
	Session Chairs: Bernd Blobel, Germany, nn, Norway	
9:00-10:00	Keynote A Socio-Technical Regime Transitions Model for Gerontechnology Service Design: Privacy, Information Security and Cyber Security in Focus Stewart James Kowalski, Grethe Østby	45'
10:00-11:00	Security, Privacy, Safety, and Ethical Challenges for pHealth (Part 1)	
	Chairs: Jaime Delgado, Spain, nn, Norway	
	Invited Speech Privacy and Trust in pHealth - Past, Present and Future Pekka Ruotsalainen, Bernd Blobel	30'
	Patients and Organizations eHealth Services Model Marlon Luca Machal	5'
11:00-11:30	Break	
11:30-13:00	Security, Privacy, Safety, and Ethical Challenges for pHealth (Part 2)	
	Session Chairs: Pekka Ruotsalainen, Finland, nn, Norway	
	Invited Speech An Overview on Security and Privacy of Data in IoMT Devices: Performance Metrics, Merits, Demerits, and Challenges Pankaj Khatiwada, Bian Yang	30'
	Provenance and Dynamic Consents for the Management of Medical Data Jaime Delgado, Silvia Llorente	20'
	Information Security Risk for Welfare Technology and Personal Healthcare Devices Alvhild Skjelvik, Bian Yang	20'
	Personality Traits and Security Motivation Arnstein Vestad	20'
13:00-14:00	Lunch Break	
14:00-15:00	Behavioral Aspects of Designing, Developing and Implementing pHealth Solutions	
	Session Chairs: Lenka Lhotska, Czechia, nn, Norway	
	Invited Speech Study of the User Behavior Caused by Automatic Recommendation Systems Call to Action Georgy Kopanitsa, Sergey Kovalchuk	30'
	Usability of Iranian Primary Vitiligo Patient Registry (IPVPR): A Pilot Study Zarah Arabkermani, Roxana Sharifian, Nafiseh Esmaeli, Peivand Bastani, Azadeh Bashiri, Abbas Sheikhtaheri	20'
	Human Resource Planning in Health Care: Outlining a Basic Model and Related Complexities	5'

	Dalibor Stanimirović, Radivoje Pribaković Brinovec	
	Migration from HL7 CDA to FHIR in Infectious Disease System of Estonia Igor Bossenko, Kerli Linna, Gunnar Pihho, Peeter Ross	5'
15:00–15:30	Break	
15:30-17:00	General Studies and Practical Solutions	
	Session Chairs: Mauro Giacomini, Italy, nn, Norway	
	Invited Speech Risk Factors for COVID-19: A Systematic Mapping Study Paula A. Rosero, Juan S. Realpe, Charic D. Farinango, David S. Restrepo, Ricardo Salazar-Cabrera, Diego M. Lopez	30'
	Electronic Health Records at People's Hands across Europe: The InteropEHRate Protocols Athanasios Kiourtis, Argyro Mavrogiorgou, Konstantinos Mavrogiorgos, Dimosthenis Kyriazis, Alessio Graziani, Chrysosthomos Symvoulidis, Gabor Bella, Simone Bocca, Francesco Torelli	20'
	ETL Processes for Integrating HealthcareData - Tools and Architecture Patterns Ka Yung Cheng, Santiago Pazmino, Björn Schreiweis	20'
	Decentralized EHRs in the Semantic Web for Better Health Data Management Dagmar Celuchova Bosanska, Michal Huptych, Lenka Lhotska	20'
	Thursday, 10 November 2022	
9:00-11:00	Decision Support and Artificial Intelligence in pHealth	
	Session Chairs: Georgy Kopanitsa, Russia, nn, Norway	
	Invited Speech The Causal Plausibility Decision in Healthcare Vije Kumar Rajput, Mette Kjer Kaltoft, Jack Dowie	30'
	Characteristics and Subjective Evaluation of an Intelligent Empowering Agent for Health Person Empowerment Marco Alfano, John Kellett, Biagio Lenzitti, Markus Helfert	20'
	Development and Implementation of the Data Science Learning Platform for Research Physician Lejla Begic Fazlic, Marvin Schacht, Marlies Morgen, Anke Schmeink, Robert Lipp, Lukas Martin, Thomas Vollmer, Stefan Winter, Guido Dartmann	20'
	Ab.ai – A Novel Automated AI Tool for Reporting Antibiograms Sakthi Jaya Sundar Rajasekar, Sabarinathan Thiyagarajan, Saleem Mohamed Ali	20'
11:00–11:30	Break	
11:30-13:00	Data and Knowledge Management and Methodologies (Part 1)	
	Session Chairs: Vije Kumar Rajput, UK, nn, Norway	
	Invited Speech Response Center Services: An Exploratory Study Luyi Sun, Bian Yang	30'
	A Visualization and Benchmarking Simulator for Clinical Data Marlies Morgen, Lejla Begic, Fazlic, Arne Peine, Lukas Martin, Anke Schmeink, Ahmend Hallawa, Guido Dartmann	20'
	Structuring Research Directions in Medical Domain with Topic Modeling: Application for PhD Theses Synopses in Dentistry Igor Babikov, Sergey Kovalchuk, Ivan Soldatov, Gennady Grebnev	20'
	Forecasting Trends in the Tuberculosis Epidemic Situation in the Region of the Russian Federation by Dynamic Simulation Model	20'

	Igor A. Cherniaev, P. F. Chernavin, A. I. Tsvetkov, Y. P. Chugaev, U. I. Cherniaeva, N. P. Chernavin	
13:00–14:00	Lunch Break	
14:00-15:20	Data and Knowledge Management and Methodologies (Part 2)	
	Session Chairs: Diego Lopez, Colombia, nn, Norway	
	Invited Speech Assessing Human Mobility by Constructing a Skeletal Database and Augmenting it Using a Generative Adversarial Network (GAN) Simulator Yoram Segal, Ofer Hadar, Lenka Lhotská	30'
	What Can We Learn from Quality Requirements in ISO/TS 82304-2 for Evaluating Conversational Agents in Healthcare? Kerstin Denecke, Elizabeth M. Borycki, Andre W, Kushniruk	20'
	Invited Speech Universal Design for Sustainable Digital Health Technologies Kristin Skeide Fuglerud	30'
15:20-16:20	Round Table Discussion on Health and Social Care Transformation	60'
	Bernd Blobel, Mauro Giacomini, Lenka Lhotska, Diego Lopez, Kerstin Denecke, Vije Kumar Rajput, Bian Yang	
16:20-17:00	Young Scientists Best Paper Award	
	Next pHealth Event	
	Closing Remarks of SPC and LOC	