

ICIMTH 2020
3 - 5 July 2020

eConference supported by WaveTech.gr

DAY 1: Friday, 3 July 2020		
EEST	ROOM A	ROOM B
	Session 1	Session 2
	<i>Chair: John Mantas</i>	<i>Chair: Paris Gallos</i>
9:00 - 10:15	Evidence-based Health Intelligence with Globally Localized Epidemic Knowledge Base: Merging Pathological Data, Socio-environmental Data and Intervention Knowledge Data Eun Kyong SHIN and Jong Hun LEE	Confirmatory Factors to Nursing Practice for Patient Safety of Nurses in Kalasin Hospital, Kalasin Province, Thailand Areauy ABHICHAYA, Leethongdissakul SONGKHAMCHAI, Srichaikul BUAVARON and Thiabriti SURASAK
	Public Private Partnerships Delivering Smart Health to Combat the Tsunami of Noncommunicable Diseases Kannan SUBRAMANIAM	The Confirmatory Factor Analysis of Quality Assurances among Medical Laboratory in the Primary Care Units: Roi - Et, Thailand Wipada CHANMONTHON, Songkhamchai LEETHONGDISSAKUL, Wachara EAMRATSAMEEKOOL and Satianpong SIWINA
	Campus Mental Well-Being: Opportunities for Digital Health Lua PERIMAL-LEWIS and Patricia A. H. WILLAMS	Initiative Quality Assurance Culture for Medical Laboratory Activities in the Primary Care Units Staff: A case study in Roi Et, Thailand Wipada CHANMONTHON, Songkhamchai LEETHONGDISSAKUL, Wachara EAMRATSAMEEKOOL and Satianpong SIWINA
	Implementation of a Secured Cross-Institutional Data Collection Infrastructure by Applying HL7 FHIR on an Existing Distributed EMR Storages Katsuya TANAKA and Ryuichi YAMAMOTO	The Quality Improvement Information System for Surveillance and Monitoring for Patient safety and Personal safety in Kalasin Hospital, Kalasin Province, Thailand. Areauy ABHICHAYA, Leethongdissakul SONGKHAMCHAI, Srichaikul BUAVARON and Thiabriti SURASAK
	Statistical Analysis of Air Pollutants Concentration and Health Information Related to Respiratory Disease Patients in Bangkok, THAILAND Wisit THONGKUM, Santisith KHIEWKHERN and Sawan THITISUTTHI	Google Maps: Prevalence and Distribution of Uncontrolled Type 2 Diabetes Mellitus in Kalasin Province, Thailand Patcharin PHUWILERT, Santisith KHIEWKHERN, Kasama WONGPRACHUM and Teerasak PHAJAN
	Application of Geographic Information Systems (GIS) to Analyse and Detect the Risk of Chronic Diseases in the Elderly Niruwan TURNBULL, Jaturong SOM-ARD, Witaya YOOSOOK, Savitree RATANAOPAD SUWANLEE, Thanyarat CHAIYAKARM, Nachalida YUKALANG and Suwanan MATTRA	Semiautomated Approach for Muscle Weakness Detection in Clinical Texts Gleb DANILOV, Michael SHIFRIN, Yuliya STRUNINA, Konstantin KOTIK, Tatyana TSUKANOVA, Tatiana PRONKINA, Timur ISHANKULOV, Elizaveta MAKASHOVA, Alexandra KOSYRKOVA, Semen MELCHENKO, Timur ZAGIDULLIN and Alexander POTAPOV
Session Questions	Session Questions	
10:15 - 10:30	Break	

EEST	ROOM A	ROOM B
10:30 - 11:45	Session 3	Session 4
	<i>Chair: John Mantas</i>	<i>Chair: Paris Gallos</i>
	Validation of an Automatic Wrist Blood Pressure Monitor in a Critical Care Setting Irene KARAMPELA, Maria DALAMAGA, Theodora STRATIGOU, Georgios ANTONAKOS, Markos NIKOLOPOULOS, Evangelos TZORTZIS and Marianna DIOMIDOUS	Model Driven Approach for Development of Person-Centred Care in Stroke Rehabilitation Ivana OGNJANOVIĆ, Roman LEWANDOWSKI, Ramo ŠENDELJ, Dalia KRIKŠČIŪNIEN and Jevto ERAKOVIĆ
	Wireless Monitoring through Wearable Devices in the ICU: Are we Close? Marianna DIOMIDOUS, Maria DALAMAGA, Markos NIKOLOPOULOS, Evangelos TZORTZIS, Theodora STRATIGOU, Georgios ANTONAKOS and Irene KARAMPELA	The Dissemination and Communication Plan and Activities of the CrowdHEALTH Project: "Collective Wisdom Driving Public Health Policies" Andriana MAGDALINO, John MANTAS, Patrick WEBER, Paris Gallos and Lydia MONTANDON
	Assessment of HIV Data Reporting Performance by Facilities During EMR Systems Implementations in Kenya Philomena N. NGUGI, Milka B. GESICHO, Ankica BABIC and Martin C. WERE	Semantic Reconciliation of Standard and Localized Medical Terminologies for Knowledge Interoperability Taqdir ALI, Mowafa HOUSEH, Tanvir ALAM, Sungyoung LEE and Zubair SHAH
	Availability of Standardized Electronic Patient Data in Nursing: a Nationwide Survey of Austrian Acute Care Hospitals Renate NANTSCHKEV and Elske AMMENWERTH	Understanding the Food Habits and Physical Activities of Diabetes Cohort in Qatar Anjanarani NAZEEMUDEEN, Hamada R.H. AL-ABSI, Mahmoud Ahmed REFAEE, Mowafa HOUSEH, Zubair SHAH and Tanvir ALAM
	Development of a Presentation Interface for Seismo- and Ballistocardiographic Data Nico JÄHNE-RADEN, Marie Cathrine WOLF, Stephan SIGG and Ulf KULAU	Nursing Staff's Awareness of Processing Personal Data According to GDPR Vasiliki MARKOPOULOU, Alexandra NIERI, Joseph LIASKOS, Emmanouil ZOULIAS and John MANTAS
	K-means Clustering in Monitoring Facility Reporting of HIV Indicator data: Case of Kenya Milka B. GESICHO, Ankica BABIC and Martin C. WERE	
Session Questions	Session Questions	
11:45 - 12:00	Break	
EEST	ROOM A	
12:00 - 12:05	Opening Session by Professor John MANTAS, LOC Chair Professor Arie HASMAN, SPC Chair	
EEST	ROOM A	
12:05 - 12:15	Opening Address Professor Lăcrămioara STOICU-TIVADAR EFMI President	
EEST	ROOM A	
12:15 - 12:45	Keynote 1	
	Professor Riccardo BELLAZZI Data Integration to Support Clinical Research - Current Efforts and Challenges in the Pandemic Period	
12:45 - 13:30	Lunch Break	
EEST	ROOM A	
13:30 - 14:00	Keynote 2	
	Professor Cristian LOVIS Sars-CoV-2 Pandemy and Technology: "we failed" says MIT Tech Rev	

EEST	ROOM A	ROOM B
14:00 - 15:15	Session 5	Session 6
	<i>Chair: Emmanouil Zoulias</i>	<i>Chair: Parisis Gallos</i>
	The HiGHmed Didactical Framework for Online Learning Modules on Medical Informatics: First Experiences Marie-Louise WITTE, Marianne BEHREND, Nils-Hendrik BENNING, Ina HOFFMANN, HiGHmededucation Consortium and Oliver Johannes BOTT	Introducing DRGs into Greek National Healthcare System, in 27 weeks John SARIVOUGIOUKAS and Aristides VAGELATOS
	Comparison of Machine Learning Algorithms for Classifying Adverse-Event Related 30-day Hospital Readmissions: Potential Implications for Patient Safety Antoine SAAB, Melody SAIKALI and Jean-Baptiste LAMY	Online Education for Vaccination Competence among health sciences students Dimitra PERIFANOY, Eleni KONSTANTINOY, Aija AHOKAS, Xavier Palomar AUMATEL, Joan Carles Casas BAROY, Daniela CAVANI, Paola Galbany ESTRAGUES, Paola FERRI, Cinzia GRADELLINI, Kristina GRENDOVA, Sari LAHTI, Michaela MACHAJOVA, Montserrat Romero MAS, Daniela MECUGNI, Anne NIKULA, Janka PRNOVA, Carme Roure PUJOL, Heli THOMANDER and Evanthia SAKELLARI
	Generation of Realistic Synthetic Validation Healthcare Datasets using Generative Adversarial Networks Eda BILICI OZYIGIT, Theodoros N. ARVANITIS and George DESPOTOU	Access of Stroke Patients' to Optimal Healthcare Technology in Greece: Messages to Policy Makers Olga SISKOU, Eleni KOROMPOKI, George NTAIOS, Evangelos TSAMPALAS, Helen ALEXOPOULOU, Ioannis KALLIONTZAKIS, Aspasia KOURIDAKI, Argyro TOUNTOPOULOU, Ioanna KOUZI, Sofia VASILOPOULOU, Haralampos MILIONIS, Hara EVAGGELOU, Efstathia KARAGKIOZI, Apostolos I. HATZITOLIOS, Christos SAVOPOULOS, Athina MYROU, Efstathios MANIOS, Georgios MAVRAGANIS, Anastasia VEMMOU, Daphne KAITELIDOU, Petros GALANIS, Stefanos PASTEFANATOS, Olympia KONSTANTAKOPOULOU, Iliana KARAGKOUNI and Kostas VEMMOS
	Health Record Index: Secure Access of Cloud-stored Healthcare Data Athanasios KIOURTIS, Argyro MAVROGIORGOU, Konstantinos VIDAKIS and Dimosthenis KYRIAZIS	Factors Affecting Medical Tourism Destination Selection in Greece George BARTZIS, Dafni KAITELIDOU, Angeliki BISTARAKI and Olympia KONSTANTAKOPOULOU
	Exploring Unsupervised Query Paraphrasing to Identify Relevant Search Phrases for a Literature Review Laura-Maria PELTONEN, Miretta TOMMILA and Hans MOEN	Accessibility and Web Quality Information for People with Disabilities in Healthcare Structures Maria PANAGIOTOPOULOU and Maria TSIRINTANI
	A Method of Justifying Confidence in the Safety of Digital Health Interventions Stuart HARRISON, George DESPOTOU and Theodoros N. ARVANITIS	Developing Patients' Experiences Database After Hospital Discharge: Another Step In Improving Stroke Care Olympia KONSTANTAKOPOULOU, Petros GALANIS, Daphne KAITELIDOU, Iliana KARAGKOUNI, Eleni KOROMPOKI, George NTAIOS, Kostas VEMMOS, Stefanos PASTEFANATOS, George PASTEFANATOS, Evangelos TSAMPALAS, Helen ALEXOPOULOU, Ioannis KALLIONTZAKIS, Aspasia KOURIDAKI, Argyro TOUNTOPOULOU, Ioanna KOUZI, Haralampos MILIONIS, Chara EVAGGELOU, Efstathia KARAGKIOZI, Apostolos I. HATZITOLIOS, Christos SAVOPOULOS, Athina MYROU, Georgios MAVRAGANIS, Anastasia VEMMOU and Olga SISKOU
	Session Questions	Session Questions

15:15 - 15:30	Break	
EEST	ROOM A	ROOM B
15:30 - 17:00	Session 7	Session 8
	<i>Chair: Patrick Weber</i>	<i>Chair: Joseph Liaskos</i>
	Process Coverage and Use Case Support of Health Registry Software in Germany Jürgen STAUSBERG, Sonja HARKENER, Udo ALTMANN and Johannes DREPPER	Local Distortion Hiding Algorithm in Medical Data: A Case Study using CART Georgios FERETZAKIS, Dimitris KALLES and Vassilios S. VERYKIOS
	Safety Justification of Healthcare Applications Using Synthetic Datasets George DESPOTOU, Stuart HARRISON, Sean WHITE and Theodoros N ARVANITIS	Students' Perceptions on Chatbots' Potential and Design Characteristics in Healthcare Education Natalia STATHAKAROU, Sokratis NIFAKOS, Klas KARLGREN, Stathis T. KONSTANTINIDIS, Panagiotis D. BAMIDIS, Constantinos S. PATTICHIS and Nadia DAVOODY
	Fitbit Accuracy Depends on Activity Pace and Placement Location Chenhao WEI, Daniel ROBINS and Joseph FINKELSTEIN	eHealth Literacy Training among Carers of Older People and People with Dementia: a Modified Delphi Survey Areti EFTHYMIU, Ioanna MENIKOU, Antonis STYLIANIDES, Nikoletta GERONIKOLA, Irina ILIEVA, Ivana KANCHEVA, Manuela TAGLIANI, Rita SENECA, Beata MINTUS, Paraskevi SAKKA and Evridiki PAPASTAVROU
	Towards Intelligent Integration and Sharing of Stem Cell Research Data Kirill BORZIAK, Tianye QI, John Erol EVANGELISTA, Daniel J.B. CLARKE, Avi MA'AYAN and Joseph FINKELSTEIN	Supporting Active Pharmacovigilance via IT Tools in the Clinical Setting and Beyond: Regulatory and Management Aspects Pantelis NATSIAVAS, George I. GAVRIILIDIS, Zacharoula LINARDAKI, Georgia KOLANGI, Evgenia GKALIAGKOUSI, Chrysanthos ZAMBOULIS and Marie-Christine JAULENT
	Association between System Usage Pattern and Impact of Web-Based Telerehabilitation in Patients with Multiple Sclerosis In cheol JEONG, Jiazhen Liu and Joseph FINKELSTEIN	Using Machine Learning Algorithms to Predict Antimicrobial Resistance and Assist Empirical Treatment Georgios FERETZAKIS, Evangelos LOUPELIS, Aikaterini SAKAGIANNI, Dimitris KALLES, Malvina LADA, Constantinos CHRISTOPOULOS, Evangelos DIMITRELLOS, Maria MARTSOUKOU, Nikoleta SKARMOUTSOU, Stavroula PETROPOULOU, Konstantinos ALEXIOU, Aikaterini VELENTZA, Sophia MICHELIDOU and Konstantinos VALAKIS
	Disparities in Racial and Ethnic Representation in Stem Cell Clinical Trials Irena PARVANOVNA and Joseph FINKELSTEIN	Enhancing Medical Education with Data-Driven Software: the TrainCoMorb App Dimitrios ZIKOS, Neli RAGINA and Oliver STRONG
	From Many to One: Designing a Unified Flowsheet in the EMR to Replace Multiple Disparate Devices Daniel ROBINS, Martijn FIGEE, Helen MAYBERG and Joseph FINKELSTEIN	
Session Questions	Session Questions	

DAY 2: Saturday, 4 July 2020		
EEST	ROOM A	ROOM B
	Session 9	Session 10
	<i>Chair: Emmanouil Zoulias</i>	<i>Chair: Mowafa Househ</i>
	Iconic Visualization of Sickle Cell Patients Current and Past Health Status Al Hassim DIALLO, Gaoussou CAMARA, Moussa LO, Ibrahima Diagne and Jean Baptiste LAMY	Urgent Need for Developing a Framework for the Governance of AI in Healthcare Mansoor Ali BAIG, Mohamad A. ALMUHAIZEA, Jumanah ALSHEHRI, Mohammad Shouki BAZARBASHI and Fahad AL-SHAGATHRH
	Patient Awareness of the Severity of their Information and Medication Management-related Adverse Events Kaija SARANTO, Samuli KOPONEN, Hanna KUUSISTO and Eija KIVEKÄS	Obstructive Sleep Apnea: A Prediction Model Using Supervised Machine Learning Method Zahra KESHAVARZ, Rita REZAEI, Mahdi NASIRI and Omid POURNIK
	Visualization of Potential Drug Synergies Jean-Baptiste LAMY	Integrating Socially Assistive Robots into Japanese Nursing Care Markus KOLSTAD, Natsu YAMAGUCHI, Ankica BABIC and Yoko NISHIHARA
11:00 - 12:15	Guideline-Based Decision Support System for Nursing Homes: A Case Study with the Management of Malnutrition Abir ABDELLATIF, Jacques BOUAUD, Joël BELMIN and Brigitte SEROUSSI	A Digital Clinical Guideline Based on HL7 Arden Syntax for the Treatment of Children with Traumatic Brain Injury Sergei B. ARSENIYEV, Valeri G. AMCHESLAVSKIY, Valeri I. LUKIANOV, Andrea RAPPELSBERGER and Klaus-Peter ADLASSNIG
	PrositNG – A Machine Learning Supported Disease Model Generation Software Monika POBIRUCHIN, Richard ZOWALLA, Maximilian KURSCHEIDT and Wendelin SCHRAMM	Evaluating the Students' View of Medical and Paramedical Sciences about Perceived Benefits and Barriers of Virtual Social Networks for Learning Purposes Khalil KIMIAFAR, Alireza BANAYE YAZDIPOUR and Masoumeh SARBAZ
	Visualization of Drug Interactions for Supporting Medication Review Abdelmalek MOUAZER, Karima SEDKI, Rosy TSOPRA and Jean-Baptiste LAMY	System of Criteria for Treatment Evaluation of Acromegaly in Bulgaria Evgeniy KRASSTEV, Dimitar TCHARAKTCHIEV and Emanuil MARKOV
	Session Questions	Session Questions
12:15 - 12:30	Break	

EEST	ROOM A	ROOM B
	Session 11	Session 12
	<i>Chair: Mowafa Househ</i>	<i>Chair: Emmanouil Zoulias</i>
	E-health in Norway Before and During the Initial Phase of the Covid-19 Pandemic Rolf WYNN	Personalized Biomechanic Models: Factors Affecting Shoulder Motion Gesthimani ANTONIADOU, Thomas THEOCHARIS, Nefeli CHATZISTEFANI and Maria KALLERGI
	An Analysis of the Growth in Uptake of OpenWHO's Online Learning Resources for COVID-19 Richelle GEORGE, Heini UTUNEN, Melissa ATTIAS, Amy SY, Ngouille NDIAYE, Corentin PIROUX and Gaya GAMHEWAGE	Determining Role of Social Factors in Adoption of Electronic Health Records by Nurses Linus K. CHIRCHIR, Wilson K. ARUASA and Stanley K. CHEBON
	Classification of Intracranial Hemorrhage Subtypes Using Deep Learning on CT Scans Gleb DANILOV, Konstantin KOTIK, Anna NEGREEVA, Tatiana TSUKANOVA, Michael SHIFRIN, Natalya ZAKHAROVA, Artem BATALOV, Igor PRONIN and Alexander POTAPOV	Setting up an Easy-to-Use Machine Learning Pipeline for Medical Decision Support: a Case Study for COVID-19 Diagnosis Based on Deep Learning with CT Scans Aikaterini SAKAGIANNI, Georgios FERETZAKIS, Dimitris KALLES, Christina KOUFOPOULOU and Vasileios KALDIS
12:30 - 14:00	Transfer Physical Therapists Knowledge: a Pre-test to Minimize the Complexity of Physical Therapists' Quality Assessment of Shoulder Exercise Performance Birgit SAALFELD, Lena ELGERT, Bianca STEINER and Klaus Hendrik WOLF	Challenges of the Slovenian Healthcare System Exposed in Hospitals' Recovery Plans Tatjana JOVANOVIĆ
	Transition Requirements from Problem List to an Overarching Care Plan for the Support of Person-Centered Care Felix CILLESSEN and Jacob HOFDIJK	Integration of International Classification of Diseases version 11 Application Program Interface (API) in the Rwandan Electronic Medical records (openMRS): Findings from Two District Hospitals in Rwanda Michael MUGISHA, Jean Baptiste BYIRINGIRO, Melissa UWASE, Theophile ABIZEYIMANA, Berchmas NDIKUBWIMANA, Nadine KAREMA, Michele KAYIGANWA, Candide TRAN NGOC, Nenad KOSTANJSEK, Can CELIK, Donada MARC, Celestin TWIZERE and David TUMUSIIME
	Use of Natural Language Processing for Precise Retrieval of Key Elements of Health IT Evaluation Studies Verena DORNAUER, Franziska JAHN, Konrad HOEFFNER, Alfred WINTER and Elseke AMMENWERTH	DONOR-FINDER: A Web Tool for the Automatic Comparison of Genomic Profiles in ART Aurora SUCRE, Saioa GARCIA-LONGARTE and Alba GARIN-MUGA
	Meta-Analysing Methodological Quality of Published Research: Importance and Effectiveness Izet MASIC and Slobodan M. JANKOVIC	Towards an Architecture for the Interoperability of Hospital Information Systems in Burkina Faso Lydie Simone TAPSOBA, Yaya TRAORE, and Sadouanouan MALO
	Session Questions	Session Questions
14:00 - 15:00	Lunch Break	

EEST	ROOM A	
15:00 - 15:30	Keynote 3	
	Professor Theo ARVANITIS Ethical, Regulatory and Policy Considerations for the Use of AI in Health Informatics and Health Data Science	
EEST	ROOM A	ROOM B
15:30 - 16:45	Session 13	Session 14
	<i>Chair: Mowafa Househ</i>	<i>Chair: Patrick Weber</i>
	Data Sharing in Pharmaceutical Supply Chains – Case European Medicines Verification System Laura LEVÄNEN, Olli HALMINEN, Henni TENHUNEN and Timo SEPPÄLÄ	The Classification of Scientific Literature for its Topical Tracking on a Small Human-Prepared Dataset Gleb DANILOV, Timur ISHANKULOV, Yuriy ORLOV, Mikhail SHIFRIN, Konstantin KOTIK and Alexander POTAPOV
	Rules Based Data Quality Assessment on Claims Database Mary A. GADDE, Zhan WANG, Meredith ZOZUS, John B. TALBURT and Melody L. GREER	Charting Early Developmental Trajectory of a Pilot Rare Disease Registry in Slovenia Dalibor STANIMIROVIC, Eva MURKO, Tadej BATTELINO and Urh GROSELJ
	Using PM-TOM for the Minimization of Adverse Drug and Gene Interactions in Therapies for Common Multi-Diseases Adnan KULENOVIC and Azra LAGUMDZIJA-KULENOVIC	Google Trends and Seasonal Effects in Infodemiology: A Use Case about Obesity Angelo BASTERIS, Marjan MANSOURVAR and Uffe KOCK WIL
	Using Big Data to Predict Outcomes of Opioid Treatment Programs Wanting CUI, Keren BACHI, Yasmin HURD and Joseph FINKELSTEIN	Illustration of Clinical Decision Support System Development Complexity Jendrik RICHTER and Stefan VOGEL
	Introducing an Ontology-Driven Pipeline for the Identification of Common Data Elements Anas ELGHAFARI and Joseph FINKELSTEIN	User-centred Design of a Mobile Application for Chronic Pain Management Berglind F. SMARADOTTIR, Asbjørn J. FAGERLUND and Johan Gustav BELLIKA
	Unsupervised Machine Learning for the Discovery of Latent Clusters in COVID-19 Patients Using Electronic Health Records Wanting CUI, Daniel ROBINS and Joseph FINKELSTEIN	Using openEHR in XDS.b Environments – Opportunities and Challenges Reto WETTSTEIN, Angela MERZWEILER, Maximilian KLASS and Oliver HEINZE
Session Questions	Session Questions	
16:45 - 17:00	Break	
EEST	ROOM A	
17:00 - 17:30	Keynote 4	
	Professor Graham WRIGHT and Professor Helen BETTS 200 Years Since the Birth of Nursing Informatics?	

EEST	ROOM A	ROOM B
17:30 - 18:30	Session 15	Session 16
	<i>Chair: John Mantas</i>	<i>Chair: Emmanouil Zoulias</i>
	Application of Social Network Analysis of COVID-19 related Tweets Mentioning Cannabis and Opioids to Gain Insights for Drug Abuse Research Sunmoo YOON, Michelle ODLUM, Peter BROADWELL, Nicole DAVIS, Hwayoung CHO, Nanyi DENG, Maria PATRAO, Deborah SCHAUER, Michael E. BALES and Carmela ALCANTARA	A Protocol Entry Catalog for Intraoperative Neuromonitoring – Steps towards an Ontology Chantal ZBINDEN, Moritz STRICKLER, Murat SARIYAR, Thomas BÜRKLE and Kathleen SEIDEL
	Association Between Number of Actionable Pharmacogenetic Variants and Length of Hospital Stay Joseph FINKELSTEIN, Frederick ZHANG and Manuel CABRERA	Decision Support System for Selection of e-Health Interventions Dahbia AGHER, Marc FOUQUE, Matteo BRANDI, Karima SEDKI, Rosy TSOPRA, Pierre MENETON, Sylvie DESPRES and Marie-Christine JAULENT
	Applying Artificial Intelligence to Predict Self-Reported Poor Health among Black and Hispanic Caregivers with Mild Cognitive Impairment Sunmoo YOON, Nicole DAVIS, Michelle ODLUM, Hwayoung CHO, Peter BROADWELL, Maria PATRAO, Michael BALES, Carmela ALCANTARA and Mary MITTELMAN	Multidisciplinary Approach for Education in Healthcare Management: Case Study from Montenegro Ivana OGNJANOVIĆ, Ramo ŠENDELJ and Elske AMMENWERTH
	Using Long Short-Term Memory (LSTM) Neural Networks to Predict Emergency Department Wait Time Nok CHENG and Alex KUO	A 3D Surface Fitting Layout for Complex Networks Visualization Laura BROASCĂ, Versavia-Maria ANCUȘA and Horia CIOCĂRLIE
	Application of Topic Modeling to Tweets as the Foundation for Health Disparity Research for COVID-19 Michelle ODLUM, Hwayoung CHO, Peter BROADWELL, Nicole DAVIS, Maria PATRAO, Deborah SCHAUER, Michael E. BALES, Carmela ALCANTARA and Sunmoo YOON	Innovation in Cancer Treatment: The Impacts of Robotic-Assisted Surgery Adoption at the Brazilian National Cancer Institute Antônio Augusto GONÇALVES, Sandro Luís FREIRE DE CASTRO SILVA, Claudio PITASSI, Marcus BRAUER, Sandra GOIS and Saulo Barbara DE OLIVEIRA
Session Questions	Session Questions	
EEST	ROOM A	
18:30 - 19:00	Keynote 5	
	Professor George DEMIRIS Digital phenotyping: Discovering Challenges and Opportunities	

DAY 3: Sunday, 5 July 2020		
EEST	ROOM A	
10:30 - 11:00	EFMI Workshop	
	Ivana OGNJANOVIĆ Young EFMI (yEFMI) - An EFMI Initiative	
EEST	ROOM A	ROOM B
11:00 - 12:15	Session 17	Session 18
	<i>Chair: Patrick Weber</i>	<i>Chair: Emmanouil Zoulias</i>
	Lessons Learned: Implementation of a Nationwide Innovative E-Learning Module for Health Enabling Technologies Joana M WARNECKE, Ju WANG and Thomas M DESERNO	Evaluating the Use of a PRO Questionnaire in Clinical Practice Sissel Graakjær Bøgh PEDERSEN, Nicole Safavi ANDERSEN, Ann BYGHOLM and Mogens LAURSEN
	Legal Challenges for IT Service Providers in Pharmacogenomics Lea MEIER, Kevin TIPPENHAUER and Murat SARIYAR	Discrepancy between Personal Experience and Negative Opinion with Human Papillomavirus Vaccine in Web Forums Pierre KARAPETIANTZ, Bissan AUDEH, Agnès LILLO-LE LOUËT and Cédric BOUSQUET
	An Approach Based on Preference Learning for Identifying Experts Reasoning in Antibiotic Treatment Karima SEDKI, Chaymae LAKRAFLI, Jean-Baptiste LAMY and Rosy TSOPRA	Semantic Web of Things (SWoT) for Global Infectious Disease Control and Prevention Arash SHABAN-NEJAD, Jon Haël BRENAS, Mohammad Sadnan Al MANIR, Kate ZINSZER and Christopher J.O. BAKER
	The Mishandling of Anonymity in Terms of Medical Research within the General Data Protection Regulation Daniel NASSEH	Cross-Correlation Based Automated Segmentation of Audio Samples Emilian-Erman MAHMUT, Stelian NICOLA and Vasile STOICU-TIVADAR
	Quantification of Lower Limb and Spine Muscle Activity in Manual Patient Handling – A Case Study Anna BRINKMANN, Conrad FIFELSKI, Sandra LAU, Christian KOWALSKI, Ole MEYER, Rebecca DIEKMANN and Andreas HEIN	Evaluating Interactivity in VR healthcare Applications Using Analytics Stelian NICOLA and Lacramioara STOICU-TIVADAR
	Coping with Information Technology Downtime in Hospitals: A Scoping Study Jackline BAMDEG and Thomas SCHMIDT	A Comparative Study of the Arden Syntax and GDL Clinical Knowledge Representation Languages Jeroen S. DE BRUIN, Rong CHEN, Andrea RAPPELSBERGER and Klaus-Peter ADLASSNIG
Session Questions	Session Questions	
12:15 - 12:30	Break	
EEST	ROOM A	
12:30 - 13:30	Invited Workshop	
	Reinhold HAUX On Writing for Publication and on Good Research in Biomedical and Health Informatics	
13:30 - 14:30	Lunch Break	
EEST	ROOM A	
14:30 - 15:30	Panel	
	Laura Maria PELTONEN, Patrick WEBER, Nick HARDIKER, Helja LUNDGREN-LAINE and Sanna SALANTERÄ The role of nursing in the development and utilisation of artificial intelligence in health care	
EEST	ROOM A	
15:30 - 15:40	George MIHALAS History of Medical Informatics	
15:40 - 16:00	Closing Ceremony	
	Honorary Awards GBHIA Best Paper, Best Poster, and Best Student Paper Awards Catherine Chronaki EFMI President elect, Arie Hasman and John Mantas	

Posters, Short Communication Papers and Full Papers Presented as Slide Shows Strictly 5 slides 3 minutes presentation each NB. Each presentation requires strictly five slides PowerPoint Presentation. Presentation duration strictly three minutes. No questions and answers.	
	Global Access to OpenWHO's Online Learning Resources for COVID-19 Heini UTUNEN, Melissa ATTIAS, Richelle GEORGE, Ngouille NDIAYE, Corentin PIROUX, Michael Reza FARZI, Amy SY and Gaya GAMHEWAGE
	Sun4Patients Web Platform: Facilitating Long-Term Monitoring of Stroke Patients George PAPASTEFANATOS, Stefanos PAPASTEFANATOS, Eleni KOROMPOKI, Petros GALANIS, Olympia KONSTANTAKOPOULOU, Iliana KARAGKOUNI, Parisi GALLOS, George NTAIOS, Kostas VEMMOS and Olga SISKOU
	Automated Nerve Fibres Identification and Morphometry Analysis with Neural Network Based Tool in MATLAB Michał KOPKA, Wiktor PASKAL, Adriana M. PASKAL, Piotr PIETRUSKI, Ryszard KOPKA and Paweł K. WŁODARSKI
	Digitalizing Nursing in the Bavarian Swabia Region of Germany – Presentation of the Joint Project CARE REGIO Michael ÖRTL, Felix HOLL, Marina FOTTELER, Frank KRAMER, Andreas MAHLER, Dominik MERLI, Elisabeth Veronica MESS, Stefanie SCHMID, Alexandra TEYNOR, Petra FRIEDRICH and Walter SWOBODA
	Epidemiological Analysis of the Covid-19 Epidemic in Greece Stelios ZIMERAS, Konstantinos CHARDALIAS and Marianna DIOMIDOUS
	Effective Design of Serious Games for Children with Chronic Diseases: the Role of Parents and Caregivers Dimitra PAPPA, Emmanouil ZOULIAS and John MANTAS
	An Efficient Method to Predict Pneumonia from Chest X-rays using Deep Learning Approach Uzair SHAH, Alaa ABD-ALRAZEQ, Tanvir ALAM, Mowafa HOUSEH and Zubair SHAH
	Determining and Evaluating the Dissemination and Exploitation Plans and Activities for the CrowdHEALTH Project: The Role of the Impact Creation Board Andriana MAGDALINO, John MANTAS, Patrick WEBER, Parisi GALLOS and Lydia MONTANDON
	Health Informatics Association of Qatar (HIAQ): Building a Digital Health Ecosystem Farahnaz YOUSIF, Hessa ALMULLA, Raghad MUHIYADDIN, Dena A. ALTHANI, Zubair SHAH, Tanvir ALAM and Mowafa HOUSEH
	The Impact of Clinical Decision Support Systems (CDSS) on Physicians: A Scoping Review Raghad MUHIYADDIN, Alaa A. ABD-ALRAZAQ, Mowafa HOUSEH, Tanvir ALAM and Zubair SHAH
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