ICIMTH 2021
16 - 17 October 2021
eConference

DAY 1: Saturday, 16 October 2021		
EEST	**ROOM A**	
09:45 - 10:00	**Opening Session** **by** **Professor John MANTAS, Conference Chair**	
EEST	**ROOM A**	**ROOM B**
	Session 1	**Session 2**
	Chair: TBA	*Chair: TBA*
	FAIR and Quality Assured Data -The Use Case of Trueness *Jürgen STAUSBERG, Sonja HARKENER, Ekkehart JENETZKY, Patrick JERSCH, David MARTIN, Rüdiger RUPP and Martin SCHÖNTHALER*	Development of an expert knowledge-based genomic variant prioritization platform *Aurora SUCRE, Gregory MACLAIR, Iride MARTINEZ, Concha VIDALES, Gorka EPELDE and Alba GARIN-MUGA*
	Using Machine Learning to Improve Personalised Prediction: A Data-Driven Approach to Segment and Stratify Populations for Healthcare *Will YUILL and Holger KUNZ*	The Impact of Virtual Reality in Enhancing the Quality of Life of Pediatric Oncology Patients *Abdullah ALANAZI, Faisal ASHOUR, Hanan ALDOSARI and Bakheet ALDOSARI*
	Prediction of Postoperative Speech Dysfunction Based on Cortico-cortical Evoked Potentials and Machine Learning *Romain LELONG, Badisse DAHAMNA, Romain LEGUILLON, Julien GROSJEAN, Catherine LETORD, Stéfan J.DARMONI and Lina F. SOUALMIA*	The Clinical and Biochemical Parameter Data: Effect of High blood glucose on Diabetic Nephropathy among Non-insulin-dependent diabetes mellitus (NIDDM), Thailand *Chitkamon SRICHOMPOO, Warantorn POTARIN, Supattra NOO-Inc, Patcharin PHUWILERT and Santisith KHIEWKHERN*
10:00 - 11:15	A Comparison of Word Embeddings To Study Complications In Neurosurgery *Gleb DANILOV, Konstantin KOTIK, Michael SHIFRIN, Yulia STRUNINA, Tatyana PRONKINA, Tatyana TSUKANOVA, Timur ISHANKULOV, Maria SHULTS, Elizaveta MAKASHOVA, Yaroslav LATYSHEV, Rinat SUFIANOV, Oleg SHARIPOV, Anton NAZARENKO, Nikolay KONOVALOV and Alexander POTAPOV*	ABiMed: Towards an innovative clinical decision support system for medication reviews and polypharmacy management *Abdelmalek MOUAZER, Romain LEGUILLON, Bertille LEROY, Karima SEDKI, Christian SIMON, Hector FALCOFF, Matthieu SCHUERS, Sophie DUBOIS, Cédric BOUSQUET, Lina SOUALMIA, Catherine LETORD, Stéfan DARMONI, Jacques BOUAUD, Brigitte SÉROUSSI, Rosy TSOPRA and Jean-Baptiste LAMY*
	Early Prediction of Neoplasms Using Machine Learning: A Study of Electronic Health Records from the Ministry of National Guard Health Affairs in Saudi Arabia *Asma ABDULLAH ALFAYEZ, Alvina GRACE LAI and Holger KUNZ*	Public Sentiment towards Vaccination after COVID-19 Outbreak in the Arab World *Md. Rafiul BISWAS, Tanvir ALAM, Mowafa HOUSEH and Zubair SHAH*
	Medical informatics in a Tension between Black-box AI and Trust *Murat SARIYAR and Jürgen HOLM*	Pro-active Detection of potentially wrong Diagnoses due to Substantial Changes of Laboratory Measurements *Motaas ABU BAKER, Fabienne CALDERARA, Jürgen HOLM and Murat SARIYAR*
	Session Questions	Session Questions
11:15 - 11:30	**Break**	

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EEST	ROOM A	ROOM B
	Session 3	**Session 4**
	Chair: TBA	*Chair: TBA*
11:30 - 12:45	Machine Learning Approaches for Early Prostate Cancer Prediction Based on Healthcare Utilization Patterns *Joseph FINKELSTEIN , Wanting CUI, Tiphaine C. MARTIN and Ramon PARSONS*	Application of Natural Language Processing to Learn Insights on the Clinician's Lived Experience of Electronic Health Records *Yalini SENATHIRAJAH, Hwayoung CHO, Jaime Fawcett, Karla M. MONDEJAR, Kenrick CATO, Peter BROADWELL and Sunmoo YOON*
	Semiautomatic Identification of Pulmonary Embolism in Electronic Health Records Through Sentence Labeling *Gleb DANILOV, Timur ISHANKULOV, Alexandra KOSYRKOVA,* *Maria SHULTS, Semen MELCHENKO, Tatyana TSUKANOVA, Michael SHIFRIN and Alexander POTAPOV*	Health care professionals' perceptions and opinions on "Do not attempt resuscitation" (DNAR) order and documentation *Hanna KUUSISTO, Tapani KERÄNEN and Kaija SARANTO*
	An Evaluation of Pretrained BERT Models for Comparing Semantic Similarity Across Unstructured Clinical Trial Texts *Jessica PATRICOSKI, Kory KREIMEYER, Archana BALAN, Kent HARDART, Jessica TAO, the Johns Hopkins Molecular Tumor Board Investigators, Valsamo ANAGNOSTOU and Taxiarchis BOTSIS*	A framework for user-configurable data quality assurance of electronic patient records *Marina ROMANCHIKOVA and Jean-Laurent HIPPOLYTE*
	Utilizing Shared Big Data to Identify Liver Cancer Dedifferentiation Markers *Kirill BORZIAK and Joseph FINKELSTEIN*	Predicting the risk factors of second primary cancer in patients with hepatocellular carcinoma *Hsien-Hua LIAO, Chi-Chang CHANG, Yu-Xiang WANG and Chalong CHEEWAKRIANGKRAI*
	ALLD: Acute Lymphoblastic Leukemia Detector *Saleh MUSLEH, Mohammad Tariqul ISLAM, Mohammad Towfik ALAM, Mowafa HOUSEH, Zubair SHAH and Tanvir ALAM*	A Deep Learning Program to Predict Acute Kidney Injury *Xiaoqiang LI*
	Empty Slot	Designing an Electronic Shared Care Plan to Enable Person-Centred, Team-Based Home Care *Susi WILKINSON and Elizabeth M. BORYCKI*
	Session Questions	Session Questions
12:45 - 13:00	**Break**	

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EEST	ROOM A	ROOM B
	Session 5	**Session 6**
	Chair: TBA	*Chair: TBA*
	Reviewing and Content Analysis of Persian Language Mobile Health apps for COVID -19 Management *Leila ERFANNIA, Morteza AMRAEI, Goli ARJI, Azita YAZDANI, Maryam SABZEHGAR and Leila YAGHOOBI*	Factors for Individualization of Therapeutic Exercises for the Design of Health-Enabling Technologies *Lena ELGERT, Bianca STEINER, Birgit SAALFELD, Michael MARSCHOLLEK and Klaus-Hendrik WOLF*
	Mobile-based Self-care Application for COVID-19: Development Process Using the ADDIE Model *Hamid Reza SAEIDNIA, Marcel AUSLOOS, Zahra MOHAMMADZADEH, Afshin BABAJANI and Mohammad HASSANZADHH*	Intellicor: Mobile Design for Monitoring Phonographic Signals *Malin Wist JAKOBSEN and Ankica BABIC*
	Minimization of the Drug and Gene Interactions in Polypharmacy Therapies Augmented with COVID-19 Medications *Azra LAGUMDZIJA-KULENOVIC and Adnan KULENOVIC*	Design and implementation of a computerized management system for adverse drug reactions at the Sourô SANOU University Hospital (CHUSS) in Bobo-Dioulasso, Burkina Faso *Arsene Sie Hamed TRAORE, Dieudonne ILBOUDO, Souleymane FOFANA, Seydou Golo BARRO and Pascal STACCINI*
13:00 - 14:30	Introduction of the EU Digital COVID Certificate in Slovenia: Technological and Process Aspects *Dalibor STANIMIROVIC and Lucija TEPEJ JOCIC*	Drawing on the doctor-patient relationship in e-health services *Rolf WYNN* *(Short Communication Paper)*
	Latent COVID-19 Clusters in Patients with Opioid Misuse *Fatemeh SHAH-MOHAMMADI, Wanting CUI, Keren BACHI, Yasmin HURD and Joseph FINKELSTEIN*	Implementation of a monitoring system for pregnancy by tele-ultrasound in an African context (Burkina Faso) *Seydou Golo BARRO, Idrissa ZAMPALIGRE and Pascal STACCINI*
	Smartphone-based healthcare apps for older adults in the COVID-19 era: Heuristic evaluation *Hamid Reza SAEIDNIA, Ali GHORBI, Marcin KOZAK and Afshin BABAJANI*	Electronic monitoring of diabetic patients in the active file of the Medical Center of Do (Burkina Faso) with mobile access for the patient to information *Bry SYLLA, Seydou Golo BARRO, Jeoffray DIENDERE, Rachid G. KONFE, Ghislain BOUDA and Pascal STACCINI*
	A-Test Method for Quantifying Structural Risk and Learning Capacity of Supervised Machine Learning Methods *Arash GHAREHBAGHI and Ankica BABIC*	Length of Stay Prediction in Neurosurgery with Russian GPT-3 Language Model Compared to Human Expectations *Gleb DANILOV, Konstantin KOTIK, Elena SHEVCHENKO, Dmitriy USACHEV, Michael SHIFRIN, Yulia STRUNINA, Tatyana TSUKANOVA, Timur ISHANKULOV, V.A. LUKSHIN and Alexander POTAPOV*
	Session Questions	Session Questions

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EEST	ROOM A	ROOM B
	Session 7	**Session 8**
	Chair: TBA	*Chair: TBA*
14:30 - 16:00	Pitfalls of Social Media in the Era of COVID-19 Pandemic: A literature review *Abdullah ALANAZI, Hanan ALDOSARI and Bakheet ALDOSAR*	Students` satisfaction and e-Learning Courses in Covid-19 Pandemic Era: A Case Study *Leila ERFANNIA, Roxana SHARIFIAN, Azita YAZDANI, Aida SARSARSHAHI, Rezvaneh RAHATI and Saeedeh JAHANGIRI*
	Analyzing Topics and Sentiments from Twitter to Gain Insights to Refine Interventions for Family Caregivers of Persons with Alzheimer's Disease and Related Dementias (ADRD) during COVID-19 Pandemic *Sunmoo YOON, Peter BROADWELL, Carmela ALCANTARA, Nicole DAVIS, Haeyoung LEE, Amanda Bristol, Dante Tipiani, Joo Young Nho and Mary MITTELMAN*	Cultural adaptation and piloting of iSupport dementia in Greece *Areti EFTHYMIOU, Nomiki KARPATHIOU, Eleni DIMAKOPOULOU, Panagiota ZOI, Chryssa KARAGIANNI, Michalis LAVDAS, Anastasios MASTROYIANNAKIS, Eirini SIOTI, Ilias ZAMPETAKIS and Paraskevi SAKKA*
	Identification of Covid-19 vaccines concerns in health-related French web forums: a topic modelling approach *Pierre KARAPETIANTZ, Bissan AUDEH and Cédric BOUSQUET*	Continuing Education of Nurses in Patient Handovers: Development and Evaluation of a Digitally Enabled Problem-Based Learning Course *Nicole EGBERT, Birgit BABITSCH and Ursula HÜBNER*
	GCC Clinical Trials in the pursuit of Medications for COVID-19 *Bassam Ali JABER, Mowafa HOUSEH, Zubair SHAH, M.Sohel RAHMAN, Mounir HAMDI, Kabir H BISWAS and Tanvir ALAM*	Multilingual approach to COVID-19 online learning response on OpenWHO.org: Ensuring equitable access to public health knowledge *Heini UTUNEN, Ngouille NDIAYE, Melissa ATTIAS, Lama MATTAR, Anna TOKAR and Gaya GAMHEWAGE*
	Developing an Ontology for Documenting Adverse Events while avoiding Pitfalls *Stefanie NEUENSCHWANDER, Patricia ROMAO, Jürgen HOLM and Murat SARIYAR*	Could linguistic complexity be automatically evaluated? A multilingual study on WHO's Emergency Learning Platform *Giuseppe SAMO, Yu ZHAO, Maria Teresa GUASTI, Heini UTUNEN, Oliver STUCKE and Gaya GAMHEWAGE*
	Tracking Activities of Daily Living in the Home office *Ju WANG, Marcel AGUIRRE MEHLHORN, Katharina DITLER, Benjamin EFFNER and Thomas DESERNO*	User-based Evaluation of a Data-Driven Medical Education Platform *Dimitrios ZIKOS and Cassie E. SPRAGUE*
	MDA Framework for FAIR Principles *Zahra MOHAMMADZADEH, Hamid Reza SAEIDNIA, Marcin KOZAK and Ali GHORBI* *(Short Communication Paper)*	Sharing the IT educational experience of developing 3D applications for medical students training *Stelian NICOLA and Lacramioara STOICU-TIVADAR*
	Session Questions	Session Questions

EEST	ROOM A
16:00 - 17:00	**Keynote 1**
	Professor Reinhold HAUX *Title: Reflections Towards the Future of Medical Informatics* *A Farewell Lecture after Almost Half a Century of Biomedical and Health Informatics Activities*

EEST	ROOM A
17:00 - 18:00	**Workshop**
	María Consuelo López Gómez A novel approach for assessing engagement in digital health interventions: study case in rheumathology

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DAY 2: Sunday, 17 October 2021		
EEST	ROOM A	
08:15 - 09:00	**Tutorial** Robert STEGWEE *Identification of Medicinal Products across the Globe*	
EEST	ROOM A	ROOM B
	Session 9	**Session 10**
	Chair: TBA	*Chair: TBA*
09:00 - 10:15	Artificial Intelligence in Primary Care: an Overview *Darius TURCIAN and Vasile STOICU-TIVADAR*	Applying Social Network Analysis to Compare Dementia Caregiving Networks on Twitter in Hispanic and Black Communities *Sunmoo YOON, Carmela ALCANTARA, Nicole DAVIS, Peter BROADWELL, Haeyoung LEE, Amanda BRISTOL, Dante TIPIANI, Joo Young NHO and Mary MITTELMAN*
	Development and Evaluation of a Bayesian Risk Stratification Method for Major Amputations in Patient with Diabetic Foot Ulcers *Jens HÜSERS, Guido HAFER, Jan HEGGEMANN, Stefan WIEMEYER, Swen Malte JOHN and Ursula HÜBNER*	Using artificial intelligence to develop a lexicon-based African American Tweet detection algorithm to inform culturally sensitive Twitter-based social support interventions for African American dementia caregivers *Peter BROADWELL, Nicole DAVIS and Sunmoo YOON*
	Effectively Detecting Left Bundle Branch Block False defects In Myocardial Perfusion Imaging (MPI) With a Convolutional Neural Network (CNN) *Mohamed E. H. ABDI, Qais NAILI, Mahdi HABBACHE, Bilhadj SAID, Abdelhak BOUMENIR, Taouba DOUIBI, Dahlia DJERMANE and Sid-Ahmed BERRANI*	The biopsychosocial actor in the contexts of health and human services informatics *Jaakko HAKULA*
	Usability of Venous Thromboembolism Prophylaxis Recommender System: A Pilot Study *Mehrdad KARAJIZADEH, Farid ZAND, Afsaneh VAZIN, Roxana SHARIFIAN and Najmeh BAYATI*	Towards Harmonized Data Quality in the Medical Informatics Initiative – Current State and Future Directions *Matthias LÖBE, Gaetan KAMDJE-WABO, Adriana Carina SINZA, Helmut SPENGLER, Marcus STROBEL and Erik TUTE*
	Development of a Clinical Decision Support System for Smart Algorithms in Emergency Medicine *Stefan VOGEL, Andreas REISWICH, Zully RITTER, Michael SCHMUCKER, Angela FUCHS, Kerstin PISCHEK-KOCH, Stefanie WACHE, Katrin ESSLINGER K, Michael DIETRICH, Tibor KESZTYÜS, Dagmar KREFTING, Martin HAAG and Sabine BLASCHKE*	Electronic Health Records and Physician Burnout: A Scoping Review *Raghad MUHIYADDIN, Asma ELFADL, Ebtehag MOHAMED, Zubair SHAH, Tanvir ALAM, Alaa ABD-ALRAZAQ and Mowafa HOUSEH*
	Developing a data driven approach for early detection of SIRS in pediatric intensive care using automatically labeled training data *Marcel MAST, ELISE Study Group, Michael MARSCHOLLEK, Thomas JACK and Antje WULFF*	The Linkage between Bone Densitometry and Cardiovascular Disease *Mahmoud A. REFAEE, Hamada R.H. AL-ABSI, Mohammad Tariqul ISLAM, Mowafa HOUSEH, Zubair SHAH, M.Sohel RAHMAN and Tanvir ALAM*
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10:15 - 10:30	**Break**	

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EEST	ROOM A	ROOM B
	Session 11	**Session 12**
	Chair: TBA	*Chair: TBA*
10:30 - 11:45	Radiotherapy Information System in Cancer Treatment Improvement: A Case Study at the Brazilian National Cancer Institute *Antônio Augusto GONÇALVES, Cezar CHENG, Sandro Luís Freire de CASTRO SILVA, Emmanuel Tenorio CAVALCANTE, Jose Geraldo Pereira BARBOSA and Francisco Santos SABBAD*	Findings from a Panel Discussion on Evaluation Methods in Medical Informatics *Felix HOLL, Marina FOTTELER, Stefan MÜLLER-MIELITZ and Walter SWOBODA*
	eHealth literacy among health sciences students in Greece *Trisevgeni TRANTALI, Christina ATHANASOPOULOU, Areti LAGIOU and Evanthia SAKELLARI*	The Effect of Short Messaging System-based Feedback on Physicians' Head CT Scan Ordering Behavior in Neurology and Neurosurgery Departments *Zahra MEIDANI, Afsaneh MOOSAVI, Hossein AKBARI, Felix HOLL, Sahar ZARE, Ehasn NABOVATI, Reza DANESHVAR, Ali MASOUD, Esmaeel FAKHARIAN and Fakhrosadat MIRHOSSEINI*
	Trust in E-Health System and Willingness to Share Personal Health Data *Dasa BOSANAC and Aleksandra STEVANOVIC*	Evaluative Frameworks and Models for Health Information Systems (HIS) and Health Information Technologies (HIT) *Amanda L. JOSEPH, Eleah STRINGER, Elizabeth M. BORYCKI and Andre W. KUSHNIRUK*
	Assisting Data Retrieval with a Drug Knowledge Graph *Romain LELONG, Badisse DAHAMNA, Romain LEGUILLON, Julien GROSJEAN, Catherine LETORD, Stéfan J.DARMONI and Lina F. SOUALMIA*	Description of Digital health platform for emotional and self-management support of caregivers of children receiving growth hormone treatment *Francisco José NÚÑEZ-BENJUMEA, Antonio De Arriba MUÑOZ, Marta Vara CALLAU and Luis FERNANDEZ-LUQUE (Short Communication Paper)*
	Artificial Intelligence Models for Heart Chambers Segmentation from 2D Echocardiographic Images: A Scoping Review *Dawoud AL KINDI, Mowafa HOUSEH, Tanvir ALAM and Zubair SHAH*	CARE REGIO – Digital Transformation and Technology in Nursing Care *Dominik FUCHS, Ann-Kathrin WAIBEL, Maximilian KARTHAN, Nadine SEIFERT*
	Recent Developments in Artificial Intelligence-based Techniques for Prostate Cancer Detection: A Scoping Review *Uzair SHAH, Rafuil BISWAS, Mahmood Saleh ALZUBAIDI, Hazrat ALI, Tanvir ALAM, Mowafa HOUSEH and Zubair SHAH*	Clinical notes de-identification: scoping recent benchmarks for n2c2 datasets *Taridzo CHOMUTARE*
	Session Questions	Session Questions
11:45 - 12:00	**Break**	

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EEST	ROOM A	ROOM B
	Session 13	**Session 14**
	Chair: TBA	*Chair: TBA*
12:00 - 13:30	Predicting hospital admission for emergency department patients: A Machine Learning Approach *Georgios FERETZAKIS, Aikaterini SAKAGIANNI, Evangelos LOUPELIS, Georgios KARLIS, Dimitris KALLES, Lazaros TZELVES, Rea CHATZIKYRIAKOU, Nikolaos TRAKAS, Stavroula PETROPOULOU, Aikaterini TIKA, Zoi RAKOPOULOU, Ilias DALAINAS and Vasileios KALDIS*	Stroke Units Necessity for Patients, web-based "SUN4P" registry: Descriptive characteristics of the population *Georgios MAVRAGANIS, Eleni KOROMPOKI, Evangelos TSAMPALAS, Dafni GAREFOU, Helen ALEXOPOULOU, Maria LYPIRIDOU, Ioannis KALLIONTZAKIS, Anastasia FRAGKOULAKI, Aspasia KOURIDAKI, Argyro TOUNTOPOULOU, Ioanna KOUZI, Sofia VASILOPOULOU, Efstathia KARAGKIOZI, Anna-Maria LOUKA, Efstathios MANIOS, Anastasia VEMMOU, Christos SAVOPOULOS, Gregorios DIMAS, Athina MYROU, Haralampos MILIONIS, Georgios SIOPIS, Hara EVAGGELOU, Athanasios PROTOGEROU, Stamatina SAMARA, Asteria KARAPIPERI, Nikolaos KAKALETSIS, Iliana KARAGKOUNI, Olympia KONSTANTAKOPOULOU, Petros GALANIS, Daphne KAITELIDOU, Stefanos PAPASTEFANATOS, Kostas VEMMOS, George NTAIOS and Olga SISKOU*
	Automatic Classification of Diabetic Foot Ulcer Images – A Transfer-Learning Approach to Detect Wound Maceration *Jens HÜSERS, Guido HAFER, Jan HEGGEMANN, Stefan WIEMEYER, Mareike PRZYSUCHA, Joachim DISSEMOND, Maurice MOELLEKEN, Cornelia ERFURT-BERGE and Ursula HÜBNER*	Machine Learning, Clinical Notes and Knowledge Graphs for Early Prediction of Acute Kidney Injury in the Intensive Care *Iacopo VAGLIANO, Wei-Hsiang HSU and Martijn C. SCHUT*
	Effects of Computer-Aided Decision Support Systems on Appropriate Antibiotic Prescribing by Medical Interns: A Quasi-Experimental Study *Fatemeh RANGRAZ JEDDI, Mansooreh MOMEN-HERAVI, Ehsan NABOVATI, Felix HOLL, Hossein AKBARI and Razieh FARRAHI*	Contribution of Artificial Intelligence in Pregnancy: A Scoping Review *Israa ABUELEZZ, Asma HASSAN, Bassam Ali JABER, Mohamad SHARIQUE, Alaa ABD-ALRAZAQ, Mowafa HOUSEH, Tanvir ALAM and Zubair SHAH*
	Remote AI Supported E-Multidisciplinary Oncology Conference in Breast Cancer as a Technology and Method to Optimize Outcomes in the Peripheries *Constantinos S. MAMMAS, Adamantia S. MAMMA, George PAPAXOINIS and Irene GEORGIOU*	Introducing gamification in eHealth platforms for promoting wellbeing *Antonios PARDOS, Andreas MENYCHTAS and Ilias MAGLOGIANNIS*
	E-Multidisciplinary Oncology Conference for Liver Cancer as a Technology and Method to Optimize Personalization and Outcomes in the Peripheries *Constantinos S. MAMMAS and Adamantia S. MAMMA*	Use of Scratch as ICT Educational Tool in Health *Theodora ARGYRI, Emmanouil ZOULIAS, Joseph LIASKOS and John MANTAS*
	Use of Artificial Intelligence for Predicting COVID-19 Outcomes: A Scoping Review *Jinyan LYU, Wanting CUI and Joseph FINKELSTEIN*	The Journey of Clinical Registries through various phases of the Digital Age: A Technical Perspective *Mansoor Ali BAIG, Mohammad Shouki BAZARBASHI, Haifa AlDakhil and Saniyah M. BAIG*
	A Conceptual Model to Predict Zoning Classification of Mental Health Patients *Sanjib Raj PANDEY, Alan SMITH, Edmund Nigel GALL, Ajay BHATNAGAR and Thierry CHAUSSALET*	Patient's unique identifier for efficient and secure monitoring of pregnant women in Burkina Faso *Seydou Golo BARRO, Adrien UGON, Nadège R. NANA and Pascal STACCINI*
	Session Questions	Session Questions
13:30 - 13:45	**Break**	

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EEST	ROOM A	ROOM B
	Session 15	**Session 16**
	Chair: TBA	*Chair: TBA*
	The Implementation of a Mobile APP for Cancer Care Management at the Brazilian National Cancer Institute *Emmanuel Tenorio CAVALCANTE PIRES, Cezar CHENG, Sandro Luís Freire de CASTRO SILVA, Sandra Regina GOIS, Francisco Santos SABBADINI and Antônio Augusto GONÇALVES*	Usability Inspection of a Mobile Cancer Telerehabilitation System *Joseph FINKELSTEIN, Xingyue HUO, Irena PARVANOVA, Matthew GALSKY*
	A Self-Management App for Patients with Schizophrenia A Pilot Study *Buket CINEMRE, Mahmut GULERCE and Kemal Hakan GULKESEN*	Using Automated Text Processing to Assess the Patient Experience of an On-Demand Tele-Urgent Care *Saif KHAIRAT, Xinyi ZHANG, Makena BOYD, Barbara EDSON and Robert GIANFORCARO*
	The Use of Robotics in Dementia Care: An Ethical Perspective *Evangeline WAGNER and Elizabeth M. BORYCKI*	A Multilingual Browser Platform for Medical Subject Headings *Raphael SCHEIBLE, Philip STRECKER, Suhail YAZIJY, Fabian THOMCZYK, Ruslan TALPA, Andrea PUHL and Martin BOEKER*
	Development of algorithms for automated Timed Up-and-Go Test subtask and step frequency analysis *Ane DIZ FELIPE, Andreas ZIEGL, Dieter HAYN and Günter SCHREIER*	Data privacy, regulations and legal issues on COVID-19 tracking Apps: A scoping review *Utoomporn WONGSIN, Arnat WANNASRI, Usman IQBAL and Tuo-Yu CHEN*
13:45 - 15:15	Digital health platform for emotional and self-management support of caregivers of children receiving growth hormone treatment *Gabriel SIGNORELLI, Francisco José NÚÑEZ-BENJUMEA, Antonio De Arriba MUÑOZ, Marta Vara CALLAU, Maitena PIERANTONELLI, Alba JIMÉNEZ-DÍAZ and Luis FERNANDEZ-LUQUE*	Assessing Staff's and Stroke Patients' Experiences in 8 Hospitals in Greece: Results from a Prospective Multi-Center Study ("SUN4Patients") *Petros GALANIS, Olympia KONSTANTAKOPOULOU, Iliana KARAGKOUNI, Parisis GALLOS, Evangelos TSAMPALAS, Maria LYPIRIDOU, Anastasia GAMVROULA, Georgios MAVRAGANIS, Efstathios MANIOS, George NTAIOS, Efstathia KARAGKIOZI, Haralampos MILIONIS, Chara EVANGELOU, Argyro TOUNTOPOULOU, Ioanna KOUZI, Sofia VASSILOPOULOU, Athanasios PROTOGEROU, Stamatina SAMARA, Asteria KARAPIPERI, Christos SAVOPOULOS, Apostolos I. HATZITOLIOS, Athina MYROU, Ioannis KALLIONTZAKIS, Aspasia KOURIDAKI, Stefanos PAPASTEFANATOS, George PAPASTEFANATOS, Kostas VEMMOS, Panayiota SOURTZI, Thalia BELLALII, Eleni KOROMPOKI, Daphne KAITELIDOU and Olga SISKOU*
	Evaluation of Meditation Apps Available on Google Play and Apple Store: An App Review *Raghad MUHIYADDIN, Alaa ABD-ALRAZAQ, Zubair SHAH, Tanvir ALAM and Mowafa HOUSEH*	Quantifying Heterogeneity in Tumors: Proposing a New Method Utilizing Convolutional Neuronal Networks *Georg PROKOP , Michael ÖRTL, Marina FOTTELER, Peter SCHÜFFLER, Johannes SCHOBEL, Walter SWOBODA, Jürgen SCHLEGEL and Friederike LIESCHE-STARNECKER*
	Features of Meditation Apps: A Scoping Review *Raghad MUHIYADDIN, Alaa ABD-ALRAZAQ, Mohannad ALAJLANI, Zubair SHAH, Tanvir ALAM and Mowafa HOUSEH*	The need for Data Contextualization in Urban-Water systems in terms of Environmental and Behavioural Health *Panagiotis KATRAKAZAS, Theodora KALLIPOLITOU and Ilias SPAIS*
	Session Questions	Session Questions
EEST	ROOM A	
	Keynote 2	
15:15 - 16:00	**Professor Anne MOEN** *Title: On Gravitate-Health*	
16:00 - 16:15	**Break**	

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EEST	ROOM A	ROOM B
	Session 17	**Session 18**
	Chair: TBA	*Chair: TBA*
16:15 - 17:45	Inference control in a Diabetes Data Set using a Java-based prototype of LDH Algorithm *Georgios FERETZAKIS, Konstantinos MITROPOULOS, Dimitris KALLES, and Vassilios S. VERYKIOS*	Inpatient cost of stroke care in Greece: preliminary results of the web-based "SUN4P" registry *Olga SISKOU, Petros GALANIS, Olympia KONSTANTAKOPOULOU, Iliana KARAGKOUNI, Evangelos TSAMPALAS, Dafni GAREFOU, Helen ALEXOPOULOU, Anastasia GAMVROULA, Ioannis KALLIONTZAKIS, Anastasia FRAGKOULAKI, Aspasia KOURIDAKI, Argyro TOUNTOPOULOU, Ioanna KOUZI, Sofia VASILOPOULOU, Efstathios MANIOS, Georgios MAVRAGANIS, George NTAIOS, Efstathia KARAGKIOZI, Anna Maria LOUKA, Christos SAVOPOULOS, Gregorios DIMAS, Athina MYROU, Haralampos MILIONIS, Georgios SIOPIS, Hara EVAGGELOU, Athanasios PROTOGEROU, Stamatina SAMARA, Asteria KARAPIPERI, Nikolaos KAKALETSIS, Parisis GALLOS, Stefanos PAPASTEFANATOS, Panayota SOURTZI, Kostas VEMMOS, Eleni KOROMPOKI and Daphne KAITELIDOU*
	Admission and discharge following Ambulance Transport to the Emergency Department *Aikaterini SAKAGIANNI, Georgios FERETZAKIS, Georgios KARLIS, Evangelos LOUPELIS, Lazaros TZELVES, Rea CHATZIKYRIAKOU, Nikolaos TRAKAS, Eugenia KARAKOU, Stavroula PETROPOULOU, Aikaterini TIKA, Zoi RAKOPOULOU, Ilias DALAINAS and Vasileios KALDIS*	Embedding risk-based anonymization into data access control for providing individual-level health data in a secure way
	Cory COVID-Bot: an evidence-based behavior change chatbot for COVID-19 *Simon T. VAN BAAL, Suong LE, Farhad FATEHI, Jakob HOHWY and Antonio VERDEJO-GARCIA*	A Safety Maturity Model for Technology-induced Errors *Elizabeth M. BORYCKI and Andre W. KUSHNIRUK*
	Hazards for the implementation and use of Artificial Intelligence enabled digital health interventions, a UK Perspective *Stuart HARRISON, George DESPOTOU and Theodoros N. ARVANITIS*	The Wellness Center in public hospitals in Thailand: a qualitative assessment using RE-AIM model *Utoomporn WONGSIN, Arnat WANNASRI, Kwanpracha CHIANGCHAISAKULTHAI and Tuo-Yu CHEN*
	Geographic Information System-Based Mobile Application Design for Health Care in Older Persons in Rural Community by Village Health Volunteers *Kukiat TUDPOR, Adisorn WONGKONGDECH, Ranee WONGKONGDECH, Thanyarat CHAIYAKARM, Worawit JITSUKKA, Kemika SOMBATEYOTHA, Songkramchai LEETHONGDEESAKUL, Narongsakdi KUBOONYA-ARAGSA, Chalard CHANTARSOMBAT, Krissanachai KIMCHAI, Nutchanun KAMONROEK and Niruwan TURNBULL*	The Contribution of Informatics to Overcoming the Covid-19 Fake News Outbreak by Learning to Navigate the Infodemic *Marianna ISAAKIDOU and Marianna DIOMIDOUS*

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	Exploring the Influence of Users' Characteristics in Continuance Intention to Use Electronic Medical Records (EMR): Extending the Expectation Confirmation Model (ECM) *Zahra MEIDANI, Hashem MOHAMMADIAN, Fatemeh MOBARAKI, Walter SWOBODA, Gholam Abbass MOOSAVI and Sahar ZARE*	A GDPR-compliant Partner Notification service *Christine KAKALOU, Eleftheria POLYCHRONIDOU, Vicky DROSOU, Vlasios K. DIMITRIADIS, Thomas DERMARIS, Rafael KORDONIAS, Aris PAPAPRODROMOU, Triantafillos TSIRELIS, Christos MARAMIS, Konstantinos VOTIS, Dimitrios TZOVARAS, Domenico SAVARINO, Manuel MAFFEO, Nedim JASIC, Tatjana NEMETH-BLAŽIĆ, Zoran DOMINKOVIĆ, Dubravko POGLEDIĆ, Iva JOVOVIC, Agne SIMKUNAITE-ZAZECKE, Loreta STONIENE, Antonella SAMMUT, Lella COSMARO and Pantelis NATSIAVAS*
	A Resilience Model for Moderating Outcomes Related to Electronic Medical Record Downtime *Joseph M. WALSH and Elizabeth M. BORYCKI*	Quantifying Citizens' Well-Being in Areas with Natural Based Solutions Using Mobile Computing *Parisis GALLOS, Andreas MENYCHTAS, Christos PANAGOPOULOS, Manthos BIMPAS and Ilias MAGLOGIANNIS*
	Session Questions	Session Questions
EEST	ROOM A	
17:45 - 18:00	**Closing Ceremony** Honorary Awards GBHIA Best Paper, Best Poster, and Best Student Paper Awards John Mantas	

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Posters 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.

	openEHR-to-FHIR: Converting openEHR compositions to Fast Healthcare Interoperability Resources (FHIR), for the German Corona Consensus Dataset (GECCO) *Nektarios LADAS, Stefan FRANZ, Birger HAARBRANDT, Kim Katrin SOMMER, Severin KOHLER, Sarah BALLOUT, Johanna FIEBECK, Michael MARSCHOLLEK and Matthias GIETZELT*
	Healthcare Professionals' Perceptions of Adoption of EHRs in Primary Care in Saudi Arabia *Bander Dowahi ALANAZI and Bella NAPTSOK*
	Combining machine learning and network analysis pipelines: the case of microbiome and metabolomics data in colorectal cancer *Eleni NTZIONI and Ioanna CHOUVARDA*
	AI enhanced person-centred care services for monitoring stroke outpatient rehabilitation *Ramo ŠENDELJ, Ivana OGNJANOVIĆ, Milovan ROGANOVIĆ and Dalia KRIKŠČIŪNIEN*
	Digital Entrepreneurial Nest: supporting digitization of healthcare at national level in Montenegro *Milovan ROGANOVIĆ, Ivana OGNJANOVIĆ, Ramo ŠENDELJ, Christoph REICH, Laszlo BOKOR, John MANTAS, Martina GOLOB, Nataša ŠIMŠIĆ, Irena OROVIĆ, Tanja RADUSINOVIĆ, Jevto ERAKOVIĆ and Nataša ŽUGIĆ*
	Co-designing smartphone notifications according to the clinical routine of cancer patients *Panos BONOTIS, Fatima SCHERA, Christina KARAMANIDOU, Lydia SCARFO, Charalambos PONTIKOGLOU and Christos MARAMIS*
	Range-measurement sensor to improve the authentication workflow for users of a hospital information system: A proof-of-concept study *Kei TERAMOTO, Shigeki KUWATA, Masashi HAMAMOTO and Hiroshi KONDOH*
	Application using standard communication between medical facilities *Mihaela CRISAN-VIDA, Iulia GOLEA, Răzvan BOGDAN and Lăcrămioara STOICU-TIVADAR*