### The Third International Conference on Innovations in Computing Research (ICR'24) Athens, Greece, August 12-14, 2024

### **Conference Program**

### Monday, August 12, 2024

07.30-08.00	Conference Registration (Conference Registration Desk)
08.00-08.15	WELCOME <b>Professor Hiroaki Kikuchi,</b> Meiji University, Japan Conference Chair
ICR24-Session-1-I	Data Science 08.20-10.20, August 12, 2024 (In-person)
Session Chair:	<b>Robert Polding</b> IE University, Spain
08.20-08.40	Extracting Official Agencies' Communication Patterns During the COVID-19 Pandemic: A Text Mining Approach <b>Shady Salama</b> <sup>1</sup> , Akira Matsui <sup>2</sup> , and Takashi Kamihigashi <sup>1</sup> <sup>1</sup> Kobe University, Japan <sup>2</sup> Yokohama National University, Japan
08.40-09.00	The Hybrid Model Combination of Deep Learning Techniques, CNN- LSTM, BERT, Feature Selection, and Stop Words to Prevent Fake News <b>Justin Hui San Zhao</b> and Thair Al-Dala'in Western Sydney University, Australia
09.00-09.20	The Detection of Misstated Financial Reports Using XBRL Mining and Intelligible MLP <b>Duarte Trigueiros</b> University Institute of Lisbon, Portugal
09.20-09.40	University Student Enrollment Prediction: A Machine Learning Framework <b>Ghazi Al-Naymat</b> and Mohammed Azmi Al-Betar Ajman University, UAE
09.40-10.00	vThrot: Fine-Grained, Virtual I/O Resource Redistribution Scheme Taehoon Kim <sup>1</sup> , Jaechun No <sup>1</sup> , and <b>Sung-soon Park<sup>2</sup></b> <sup>1</sup> Sejong University, Korea <sup>2</sup> Anyang University and Gluesys Co. LTD, Korea

10.00-10.20	Prediction of Automotive Vehicles Engine Health Using MLP and LR Hussein Jammal, Joseph El Houssainy, Farah Srour, Mostafa Tormos, Riad Sakr, and <b>Roger Achkar</b> American University of Science and Technology, Lebanon
10.20-10.40	BREAK
ICR24-Session-2-IR	Computer and Network Security 10.40-12.20, August 12, 2024 (In-Person/Remote)
Session Chair:	Haneen Heyasat South Australian Institute of Business & Technology, Australia
10.40-11.00	Towards Developing Generative Adversarial Networks based Robust Intrusion Detection Systems for Imbalanced Dataset using Hadoop- PySpark <b>Md Abdur Rahman</b> and Hossain Shahrier University of West Florida, United States
11.00-11.20	Enhancing Cybersecurity through Blockchain: An Analysis of Solutions for Threats and Vulnerabilities – An Agency Theory Perspective Haneen Heyasat <sup>1</sup> and Baber Bhatti <sup>2</sup> <sup>1</sup> South Australian Institute of Business & Technology (SAIBT), Australia <sup>2</sup> University of South Australia, Australia
11.20-11.40	Developing a Decentralized Blockchain Framework with Hyperledger and NFTs for Secure and Transparent Patient Health Records <b>Huwida E. Said</b> <sup>1</sup> , Nedaa B. Al Barghuthi <sup>2</sup> , Sulafa M. Badi <sup>3</sup> , Faiza Hashim <sup>4</sup> , and Shini Girija <sup>1</sup> <sup>1</sup> Zayed University, Dubai, UAE <sup>2</sup> Higher Colleges of Technology, Sharjah, UAE <sup>3</sup> The British University in Dubai, Dubai, UAE <sup>4</sup> United Arab Emirates University, Al Ain, UAE
11.40-12.00	A Novel Approach Using OCR Technology to Combat Deceptive Click Attacks Yu-Sheng Lian <sup>1</sup> , <b>Fu-Hau Hsu</b> <sup>1</sup> , Yan-Ling Hwang <sup>2</sup> , Jian-Xin Chen <sup>1</sup> , Jian- Hong Huang <sup>1</sup> , Hao-Jyun Wang <sup>1</sup> , and Min-Hao Wu <sup>3</sup> <sup>1</sup> National Central University, Taiwan <sup>2</sup> Chung Shan Medical University, Taiwan <sup>3</sup> Xiamen City University, China
12.00-12.20	Investigating and Managing Security Threats in Hospitals: Case Study Mahmoud Bakkar Abu Dhabi University, United Arab Emirates

### 12.20-01.20 LUNCH BREAK (ON YOUR OWN)

# ICR24-Session-3-I Computer Science and Computer Engineering Education 01.20-03.00, August 12, 2024, (In-Person)

Session Chair:	<b>Roger Achkar</b> American University of Science and Technology, Lebanon
01.20-01.40	Sensitivity of Automated SQL Grading in Computer Science Courses <b>Benard Wanjiru</b> , Patrick van Bommel, and Djoerd Hiemstra Radboud University, The Netherlands
01.40-02.00	Empowering Young Students with Disabilities through AR-enabled Hydroponic Agriculture. <b>Mario Covarrubias</b> <sup>1</sup> , Emma Mencaci <sup>2</sup> , Sabrina Roma <sup>2</sup> , Domenico Bodega <sup>3</sup> , and Alessandra Calcagno <sup>1</sup> <sup>1</sup> Politecnico di Milano, Italy <sup>2</sup> ASPOCOLLEGE, Italy <sup>3</sup> Università Cattolica del Sacro Cuore, Italy
02.00-02.20	Analyzing the Impact of a Deep Learning Attention Compensation System on Data Labelling Productivity in Individuals with Developmental Disabilities Yong-Man Ha <sup>1</sup> and <b>Jong-Wook Jang</b> <sup>2</sup> <sup>1</sup> Fields Corporation, Korea <sup>2</sup> Dong-Eui University, Republic of Korea
02.20-02.40	A Comprehensive Service Blueprint for Enhancing Coopetition Networks <b>Agostinho da Silva</b> <sup>1,2,3,4</sup> and Antonio J. Marques Cardoso <sup>1</sup> <sup>1</sup> University of Beira Interior, Portugal <sup>2</sup> ISG – Business & Economics School, Portugal <sup>3</sup> CEFAGE-UE, Center for Advanced Studies in Management and Economics, Portugal <sup>4</sup> MARE, Marine and Environnemental Sciences Centre, Portugal
02.40-03.00	Curriculum Reform with Stakeholder Participation for Quality Control Vasso Stylianou <sup>1</sup> , Florent Domenach <sup>2</sup> , Andreas Savva <sup>1</sup> , and George Portides <sup>1</sup> <sup>1</sup> University of Nicosia, Nicosia, Cyprus <sup>2</sup> Akita International University, Japan

03.00-03.20 BREAK

ICR24-Session-4-R	Data Science 03.20-05.40, August 12, 2024 (Remote)
Session Chair:	Huwida Said Zayed University, UAE
03.20-03.40	Towards Automated Policy Predictions via Structured Attribute-Based Access Control <b>Anna Bamberger</b> and Maribel Fernández King's College London, UK
03.40-04.00	An Efficient and Reliable scRNA-seq Data Imputation Method Using Variational Autoencoders Widad Alyassine <sup>1</sup> , Anuradha Samkham Raju <sup>2</sup> , Ali Braytee <sup>3</sup> , <b>Ali</b> <b>Anaissi<sup>1,3</sup></b> , and Mohamad Naji <sup>3</sup> <sup>1</sup> The University of Sydney, Australia <sup>2</sup> Victorian Institute of Technology, Australia <sup>3</sup> The University of Technology Sydney, Australia
04.00-04.20	Early Prediction of Sepsis Utilizing Multi-Branches Multi-Tasks Hybrid Deep Learning Model <b>Pei-Yi Hao</b> National Kaohsiung University of Science and Technology, Taiwan
04.20-04.40	A Comparative Analysis of Random Forest and Support Vector Machine Techniques on the UNSW-NB15 Dataset Madlyn Manneh <sup>1</sup> , Patrick Ansah <sup>1</sup> , <b>Sumit Kumar Tetarave<sup>1</sup></b> , Manoj Ranjan Mishra <sup>1</sup> , and Ezhil Kalaimannan <sup>2</sup> <sup>1</sup> KIIT University, India <sup>2</sup> University of West Florida, USA
04.40-05.00	Medical Image Character Recognition Using Attention-Based Siamese Networks for Visually Similar Characters with Low Resolution <b>Efosa Osagie</b> , Wei Ji, and Na Helian University of Hertfordshire, UK
05.00-05.20	Toward Smart Bicycle Safety: Leveraging Machine Learning Models and Optimal Lighting Solutions <b>Mustafa Abdulfattah Habeeb</b> <sup>1</sup> , Yahya Layth Khaleel <sup>1</sup> , and A.S. Albahri <sup>2</sup> <sup>1</sup> Tikrit University, Iraq <sup>2</sup> Imam Ja'afar Al-Sadiq University, Iraq

05.20-05.40	Comparing Convolutional Neural Networks and Transformers in a Points- of-Interest Experiment <b>Paraskevas Messios</b> <sup>1</sup> , Ioanna Dionysiou <sup>2</sup> , and Harald Gjermundrød <sup>2</sup> <sup>1</sup> European University Cyprus, Cyprus <sup>2</sup> University of Nicosia, Cyprus
05.40-06.40	<b>Keynote Speech: Self-Organization as a Key Principle to Adaptive Intelligence</b>
	<b>Professor Birgitta Dresp-Langley</b> UMR 7357 CNRS-Strasbourg University, France

07.30-09.30 CONFERENCE DINNER

### Tuesday, August 13, 2024

#### ICR24-Session-5-IR Data Science 07.00-09.20, August 13, 2024 (In-person/Remote)

Session Chair:	Kazem Taghva
	University of Nevada, USA

07.00-07.20	Bayesian Optimization-Based CNN Model for Blood Glucose Estimation Using Photoplethysmography Signals Saifeddin Alghlayini <sup>1</sup> , <b>Mohammed Azmi Al-Betar<sup>1</sup></b> , Mohamed Atef <sup>2</sup> , and Ghazi Al-Naymat <sup>1</sup> <sup>1</sup> Ajman University, UAE
	<sup>2</sup> United Arab Emirates University, UAE

- 07.20-07.40 Comparative Analysis of Preprocessing Techniques for KNN Classification on the Diabetes Dataset **Vaman A. Saeed**, Nawzat Sadiq Ahmed, and Bareen Haval Sadiq Duhok Polytechnic University, Iraq
- 07.40-08.00 Exploratory Analysis of Gamblers' Financial Transactions to Mine Behavioral Pattern Data Mohsen Larni<sup>1</sup>, Sepideh Farivar<sup>1</sup>, Piyush Puranik<sup>1</sup>, Kasra Ghaharian<sup>2</sup>, Lukasz Golab<sup>3</sup>, and **Kazem Taghva<sup>1</sup>** <sup>1</sup>University of Nevada, USA <sup>2</sup>International Gaming Institute, University of Nevada, USA <sup>3</sup>University of Waterloo, CA

08.00-08.20	Mean Clusteri Bareen Hava Ahmed	ve Analysis of Iris Dataset Using K-Mean and Fuzzy K- ng Algorithm I Sadiq, Nawzat Sadiq Ahmed, and Omar Muhammed chnic University, Iraq
08.20-08.40	Neural Networ Fazia Karaou <sup>1</sup> University of	ge Extraction from Audio Signal Using Convolutional rk, MFCC and Spectrogram i <sup>1</sup> , Rachida Djeradi <sup>2</sup> , and Amar Djeradi <sup>2</sup> science and technology LCPT/URSL/AALA, Algeria science and technology LCPTS/FGE, Algeria
08.40-09.00	Entropy Criter Omar M. Mus <sup>1</sup> University of <sup>2</sup> Duhok Polyte	Analysis of Decision Tree Algorithms Using Gini and ria on the Forest Cover Types Dataset tafa <sup>1</sup> , Omer M. Ahmed <sup>2,</sup> and <b>Vaman A. Saeed<sup>3</sup></b> Zakho, Iraq echnic University, Iraq echnic University, Iraq
09.00-09.20	Pneumatic Con Soledad Segar	re Study of Speed Measurement Using Radar Guns and unter <b>rra-Morales</b> and Adriana Torres Moreno lécnica Particular de Loja, Ecuador
09.20-10.20	Panel: Breakt	throughs in Data Science
	Moderator:	Guillermo Francia, University of West Florida, USA
	Panelists:	Roger Achkar, American University of Science and Technology, Lebanon Rajeev Kanth, Savonia University of Applied Sciences, Finland Kazem Taghva, University of Nevada, USA
10.20-10.40	BREAK	
ICR24-Session-6-IR	Health Informatics and Digital Imaging 10.40-12.20, August 13, 2024 (In-person/Remote)	
Session Chair:	<b>Benard Wanjiru</b> Radboud University, The Netherlands	
10.40-11.00	Stem Cell Mo Lu Cao <sup>1</sup> , Vere	I Utilisation in High-Throughput Screening Systems Using dels ena Schwach <sup>2</sup> , and Fons Verbeek <sup>1</sup> ute of Advanced Computer Science, The Netherlands

	<sup>2</sup> University of Twente, Enschede, The Netherlands
11.00-11.20	Health Data Trustees: A Business Model Perspective <b>Sarah Kilz</b> and Marija Radic Fraunhofer Center for International Management and Knowledge Economy IMW, Germany
11.20-11.40	<ul> <li>Fuzzy SVM and IoT Technology for Improved Fall Detection in Individuals with Non-Voluntary Movements</li> <li>Mohammad Kchouri<sup>1</sup>, Hussein Hazimeh<sup>2</sup>, Norharyati Harum<sup>1</sup>, Moustafa Harb<sup>3</sup>, and Firas Sami Fayad<sup>4</sup></li> <li><sup>1</sup>Universiti Teknikal Malaysia Melaka, Malaysia</li> <li><sup>2</sup>Al Maaref University, Lebanon</li> <li><sup>3</sup>PROTEL IoT Lab, Lebanon</li> <li><sup>4</sup>Islamic University of Lebanon, Lebanon</li> </ul>
11.40-12.00	Predicting Coronary Heart Disease through Machine Learning Algorithms Savina Mariettou <sup>1</sup> , Constantinos Koutsojannis <sup>2</sup> , and Vassilios Triantafillou <sup>1</sup> <sup>1</sup> University of Peloponnese, Greece <sup>2</sup> University of Patras, Patras, Greece
12.00-12.20	The Potential of Digital Twins in Healthcare: Evaluation of a Clinical Decision Support System for Chronic Inflammatory Bowel Disease Marija Radic <sup>1</sup> , Agnes Vosen <sup>1</sup> , <b>Anika Teichert</b> <sup>1,</sup> Friederike Bach <sup>1</sup> , Ann Christina Foldenauer <sup>2</sup> , Kevin Frank <sup>2</sup> , Michaela Köhm <sup>2,3</sup> , and Irina Blumenstein <sup>2,3</sup> <sup>1</sup> Fraunhofer Center for International Management and Knowledge Economy IMW, Germany <sup>2</sup> Fraunhofer Institute for Translational Medicine and Pharmacology ITMP, Germany <sup>3</sup> Johann Wolfgang Goethe University Clinic, Frankfurt, Germany
12.20-01.20	LUNCH BREAK (ON YOUR OWN)
ICR24-Session-7-IR	Computer and Network Security 01.20-03.00, August 13, 2024 (In-person/Remote)
Session Chair:	<b>Guillermo Francia</b> University of West Florida, USA
01.20-01.40	Survey on Cryptoprocessors Advances and Technological Trends <b>Elena Kakoulli</b> <sup>1,2</sup> and Eleftherios Zacharioudakis <sup>1,3</sup> <sup>1</sup> Neapolis University Pafos, Cyprus <sup>2</sup> Cyprus University of Technology, Cyprus

	<sup>3</sup> National Technical University of Ukraine, Ukraine
01.40-02.00	Analysis of eSIM/iSIM for Critical Communications Shahzana Liaqat and Geir Myrdahl Køien University of South-Eastern Norway, Norway
02.00-02.20	Authenticating IoT Devices using Multimodal Biometric and Blockchain: A Personalised Healthcare Scenario <b>Farnaz Farid</b> and Farhad Ahamed Western Sydney University, Australia
02.20-02.40	Towards Automated Access Control Policy Mining via Structured Attribute-Based Access Control <b>Anna Bamberger</b> and Maribel Fernández King's College London, UK
02.40-03.00	Machine Learning Systems for Connected and Autonomous Vehicle (CAV) Synthesized Datasets <b>Guillermo Francia</b> , III, Ben Cyphers, and Eman El-Sheikh University of West Florida, USA
03.00-03.20	BREAK
ICR24-Session-8-IR	Health Informatics and Digital Imaging + Computer
	Science/Computer Engineering Education 03.20-05.40, August 13, 2024 (In-Person/Remote)
Session Chair:	
Session Chair: 03.20-03.40	03.20-05.40, August 13, 2024 (In-Person/Remote) Shady Salama

04.00-04.20	Technological Influence on the Measurement of Quality of Life in Persons with Autism Spectrum Disorder Gema Benedicto-Rodriguez <sup>1</sup> , <b>Vanessa Zorrilla-Muñoz</b> <sup>2,3</sup> , Eduardo Fernández <sup>2,4</sup> , and Jose Manuel Fernández <sup>1</sup> <sup>1</sup> Polytechnic University of Cartagena, Spain <sup>2</sup> Miguel Hernandez University, Spain <sup>3</sup> University Institute on Gender Studies, Spain <sup>4</sup> Biomedical Research Network Center (CIBER-BBN), Spain
04.20-04.40	Unveiling Depression: Monitoring Daily Activity Changes for Anomalies <b>Rana Shaker<sup>1</sup></b> , Nada Ibrahim <sup>1</sup> , and Slim Abdennadher <sup>2</sup> <sup>1</sup> German University in Cairo, Egypt <sup>2</sup> German International University, Egypt
04.40-05.00	Categorization of Arabic Medical Questions Using a Deep Learning Approach <b>Mohammed Bahbib</b> <sup>1</sup> , Lahcen Tamym <sup>2</sup> , Majid Ben Yakhlef <sup>1</sup> , and Lyes Benyoucef <sup>2</sup> <sup>1</sup> Laboratory of Engineering Sciences Faculty Polydisciplinaire Taza, Morocco <sup>2</sup> Aix-Marseille University, University of Toulon, France
05.00-05.20	Agent-Based Modeling: Investigating Technological Perception's Impact on Quality of Life in Older Adults with Age-Related Macular Degeneration Ángel Parra-Sanchez <sup>1</sup> , <b>Vanesa Zorrilla-Muñoz</b> <sup>2,3</sup> , Gema Martinez- Navarrete <sup>1</sup> , and Eduardo Fernández <sup>1,4</sup> <sup>1</sup> University Miguel Hernández of Elche, Spain <sup>2</sup> Miguel Hernandez University, Spain <sup>3</sup> University Institute on Gender Studies, Spain <sup>4</sup> Biomedical Research Network Center (CIBER-BBN), Spain
05.20-05.40	Wireless Polysomnography Design to Identify Sleep Stages Abbas Lateef Salman, Auns Qusai Al-Neami, and Dunia Tahseen Nema Al-Aridhi Al-Nahrain University, Iraq
05.40-06.40	<b>Keynote Speech: Data Protection Mechanisms and Reidentification</b> <b>Risk Using Metric Learning</b>
	<b>Professor Vicenç Torra</b> Umeå University, Sweeden

## Wednesday, August 14, 2024

ICR24-Session-9-R	<b>Computer Science/Computer Engineering Education</b> 07.00-09.20, August 14, 2024 ( <b>Remote</b> )
Session Chair:	<b>Elena Kakoulli</b> Neapolis University Pafos, Cyprus
07.00-07.20	Code Smells for Assessing and Improving Students' Coding Skills and Practices <b>Ricardo Lozano</b> , Rajasoundarya Senthil Prabhu, and Yoonsik Cheon The University of Texas at El Paso, USA
07.20-07.40	An Investigation on Assessment Strategies, Student Engagement, and Retention for Large Cohorts Affected by COVID Learning Disruptions Jeannette Chin University of East Anglia, UK
07.40-08.00	Self-Organization as a Key Principle of Adaptive Intelligence <b>Birgitta Dresp-Langley</b> UMR 7357 CNRS-Strasbourg University, France
08.00-08.20	Evaluating Generative AI Tools for Visual Asset Creation - An Educational Approach Aesheh Essa and Mohammad Lataifeh University of Sharjah, UAE
08.20-08.40	Review of Learning Analytics Dashboards for Students Krishnavamsi Gujju, Sahithi Bandi, and <b>Marcia Moraes</b> Colorado State University, USA
08.40-09.00	Advancing Learning Systems: Enhancing Explanation Generation through AI Innovations <b>Youmna Moussa</b> University of Leeds, Leeds, UK
09.00-09.20	Exploratory Analysis of Driver Data on University Campus: A Case Study in Ecuador <b>Yasmany García-Ramírez</b> , Anderson Castillo, and Adrián Diaz Universidad Técnica Particular de Loja, Ecuador

09.20-10.20	Panel: Future Trends in Computer Science and Computer Engineering Education	
	Moderator:	Robert Polding, IE University, Spain
	Panelists:	Mario Covarrubias, Politecnico di Milano, Italy Eman El-Sheikh, University of West Florida, USA Marcia Moraes, Colorado State University, USA
10.20-10.40	BREAK	
ICR24-Session-10-IR		cience/Computer Engineering Education + Posters August 14, 2024 (In-Person/Remote)
Session Chair:	Martin Q. Z Mercer Univ	
10.40-11.00	Using a Chinese Learning Application for Case Studies in OO Programming, Database Systems, and Software Engineering Courses <b>Martin Q. Zhao</b> Mercer University, USA	
11.00-11.20	Student Lear Chien-Hsian	Online Video Learning: A Comprehensive Analysis of ning Behaviors <b>ng Liao</b> Ilic University, Taiwan
11.20-11.40	Neelam Sou	s for STEM Education: Potential and Pitfalls ndarajan niversity, United States
11.40-12.00	Management Components Agon Memet	Educational Data Storage and Retrieval in Learning Systems Using Table Valued Parameters with Blazor ti, <b>Aqim Iljazi</b> , and Shkurte Luma-Osmani f Tetova, North Macedonia
12.00-12.20	Michele Del	ve Competences for Teaching la Ventura emy Studio Musica, Department of Music Technology, Italy
12.20-01.20	LUNCH BR	EAK (ON YOUR OWN)

### ICR24-Session-11-R Smart Cities/Smart Energy + IoT 01.20-02.40, August 14, 2024 (Remote)

Session Chair:	Razwan Mohmed Salah University of Duhok, Iraq		
01.20-01.40	Real-time Monitoring of Pavement Conditions through Smart Technologies <b>Carolina Oliveira</b> , Paulo Carvalho, and Solange Rito Lima Universidade do Minho, Portugal		
01.40-02.00	Automated Tubular Ceramic Membrane Reactor Design for Laboratory- Scale Biofouling Analysis in Wastewater Treatment Processes Lizeth Garcia <sup>1</sup> , Luis-Miguel Quishpe <sup>1</sup> , Omar Sánhcez <sup>2</sup> , Daniel Barzallo <sup>2</sup> , Néstor Maya <sup>2</sup> , Miguel Herrera-Robledo <sup>1</sup> <sup>1</sup> Universidad Regional Amazónica Ikiam, Ecuador <sup>2</sup> Instituto Superior Universitario Central Técnico, Ecuador		
02.00-02.20	Privacy Preservation for The IoMT Using Federated Learning and Blockchain Technologies <b>Shamma Alalawi</b> , Meera Alalawi, Rawhi Alrae United Arab Emirates University, United Arab Emirates		
02.20-02.40	Explainable Ensemble-Based Trust Management for IoT Systems <b>Muhammad Aaqib</b> <sup>1</sup> , Aftab Ali <sup>1</sup> , Liming Chen <sup>2</sup> , and Omar Nibouche <sup>1</sup> <sup>1</sup> Ulster University, Northern Ireland, UK <sup>2</sup> Dalian University of Technology Dalian, China		
02.40-03.00	BREAK		
ICR24-Session-12-R	Computer and Network Security 03.00-04.20, August 14, 2024 (In-Person/Remote)		
Session Chair:	<b>Mais Nijim</b> Texas A&M Kingsville, USA		
03.00-03.20	Insufficient Due Diligence: Knowledge-related Threats in Cloud Computing Frank Loots, <b>Harald Gjermundrød</b> , and Ioanna Dionysiou University of Nicosia, Cyprus		
03.20-03.40	The Blind Spots of Two-Factor Authentication Tools Joel Gonçalves de Oliveira and Marcio Eduardo Kreutz UFRN, Dimap, PPGSC, Brazil		

03.40-04.00	Insecurity Revealed: Decrypting Cookies to Show the Theft of Personal Data in University Students
	Germán Rodríguez-Galán <sup>1,2</sup> , Jenny Torres-Olmedo <sup>1</sup> , and Luis Chica-
	Moncayo <sup>2</sup>
	<sup>1</sup> Escuela Politécnica Nacional, Ecuador
	<sup>2</sup> Universidad de las Fuerzas Armadas-ESPE, Ecuador
04.00-04.20	Utilizing Machine Learning for Intrusion Detection in Smart Grid Systems
	Hisham Albataineh <sup>1</sup> , Viswas Kanmuri <sup>1</sup> , Waseem Alaqqad <sup>2</sup> , and Mais
	Nijim <sup>1</sup>
	<sup>1</sup> Texas A&M Kingsville, USA
	<sup>2</sup> West Virginia Tech, USA
04.20-05.20	Keynote Speech: How Artificial Intelligence is Shaping Medical
	Imaging Technology
	Professor Luís Pinto-Coelho
	Polytechnic institute of Porto, Portugal