The Fourth International Conference on Cyber-Technologies and Cyber-Systems
CYBER 2019
September 22, 2019 to September 26, 2019 - Porto, Portugal

Submit a Contribution
Registration
Camera Ready

Deadlines

Submission: 20 Jul, 19
Notification: 20 Aug, 19
Registration: 20 Aug, 19
Camera Ready: 10 Sep, 19

Past Events

Publication

Published by IARIA in Print

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Participation

Participation Fee

Program
Tutorials
Venue
Registration
Committees
Call for Papers
Submission
Contact

CYBER 2019: Program

Nov/Tech 2019 – Conference Schedule

Conference Venue Location
Hotel Novotel Porto Gaia
Avenida Diogo Leite 344, 4400 Vila Nova de Gaia
4400-498 Vila Nova de Gaia
Portugal
More details to follow:
https://www.novotel.com/gb/hotel-1600-novotel-porto-gaia/index.shtml
E-mail: h1600@accor.com

Note: The final program might vary slightly according to the number of successful special tracks and the final number of participants.

Conference rooms: Time slots	Room A	Room B	Room C	Room D
Sunday, September 22				
12:00	**Registration starts** The registration desk is located at the conference rooms Operating during the entire conference			
13:00 - 15:00	**Tutorial I** **Theme: Analyzing the Entire Corpus with the Shell** Prof. Dr. Andreas Schmidt, Karlsruhe Institute of Technology & University of Applied Sciences, Karlsruhe, Germany			
15:00 - 15:15	**Coffee**			
15:15 - 17:15	**Tutorial II** **Theme: Challenges and Techniques in Drone Forensics** Dr. Hannan Xiao, Senior Lecturer, Canterbury Christ Church University, UK			
17:15 - 17:30	**Coffee**			
17:30 - 19:30	**Tutorial III** **Theme: Industrial IoT Security** Dr. Rahul Falk, Principal Key Expert, Siemens AG, Corporate Technology, Germany			
19:30 - 20:30	**Welcome Cocktail** You must have your badge to attend the cocktail			
Monday, September 23				
09:00 - 09:15	**Opening Session**			
09:15 - 10:15	**Keynote Speech** **Customer Segmentation using Unsupervised Natural Language Processing** Dr. Van-Jan Bruce, Lucerne University of Applied Sciences and Arts, Switzerland			
10:15 - 10:30	**Coffee Break**			
10:30 - 12:15	DATA ANALYTICS 1	CYBER 1	SEMAPRO I VI SEMANLP	UBICOMM 1
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	DATA ANALYTICS 2	ADVCOMP 1	GLOBAL HEALTH 1	EMERGING 1
15:30 - 15:45	**Coffee Break**			
15:45 - 17:30	**Panel: on Advances in Data Processing** **Moderator** Haehwan Ali, University of Nebraska Omaha, USA **Panelists** Dimitris Kanellopos, Athens University of Commerce and Business, Greece Rhun Ranseiler, Lakehead University, Canada Istvan Vassanyi, University of Pannonia, Hungary			
Tuesday, September 24				
09:15 - 10:15	**Keynote Speech** **Innovative Population-based Approaches for Analyzing Mobility Data in Continuous Health Monitoring Applications** Prof. Dr. Hagenbuchner Ah, UNO Wollongong University, College of Information Science and Technology, University of Wollongong, Australia			
10:15 - 10:30	**Coffee Break**			
10:30 - 12:15	ADVCOMP 2	CYBER 2 / CWRM	GLOBAL HEALTH 2	UBICOMM 2
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	DATA ANALYTICS 3 / Ai GH	CYBER 3	SEMAPRO VII SYNAPHEA	UBICOMM 3
15:30 - 15:45	**Coffee Break**			
15:45 - 17:30	**Panel on Challenges on Cyber Services** **Moderator** Steve Chan, Decision Engineering Analysis Laboratory, USA **Panelists** Anders Forgen, Norwegian Defence Cyber Academy, Norway Daniel Adamiak, Maxim Group, Germany Hannan Azhar, Canterbury Christ Church University, UK			
Wednesday, September 25				
09:15 - 10:15	**Keynote Speech** **A Cyber Key to Log Analysis** Dr. Steve Chan, Decision Engineering Analysis Laboratory, USA			
10:15 - 10:30	**Coffee Break**			
10:30 - 12:15	AMBIENT 1	CYBER 4 / AICYBER	EMERGING 2 / SYPRO	
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	DATA ANALYTICS 4 / PDA		UBICOMM 4 / SMAT	
15:30 - 15:45	**Coffee**			
15:45 - 16:45	**Keynote Speech** **Reinforcement Learning to Learn** Prof. Dr. Sander Bohte, Vrije Universiteit Amsterdam, the Netherlands			
16:45 - 17:00	**Coffee**			
17:00 - 19:45	**Panel on New Trends on Citizen-oriented Services** **Moderator** Kaveh Vakespenar, Samsung Research America, Digital Health Lab, USA **Panelists** Konstantinos Kotis, University of the Aegean, Dept. of Cultural Technology and Communication, Intelligent Systems Lab, Lesvos, Greece Evgeny Kravtsov, Sofia University St. Kliment Ohridsky, Bulgaria Paul Furiga, University Of Massachusetts Dartmouth, USA			
20:00 - 23:00	**CONFERENCE DINNER**			
Thursday, September 26				
09:15 - 10:15	**Keynote Speech** **Accelerating Integration and Prototyping of IP for Mobile and AI SoCs** Dr. Antonio J. Tomeiro, Synopsys, Portugal			
10:15 - 10:30	**Coffee Break**			
10:30 - 12:15	AMBIENT 2	CYBER 5	SEMAPRO 3	UBICOMM 5 / IFSA
12:15 - 12:30	**Coffee Break**			
12:30 - 14:30	**Tutorial IV** **Theme: Fast Track Introduction to Blockchain and Non-Currency Applications** John Kalafa, M1 - Finance Information Technology, Greece			
14:30 - 14:45	**Coffee and Closing session**			

Friday, September 27

Recommended tourist objectives to be visited on your own:

Tourism:
https://www.advantoinfo.com/gb/travel-guide-to/portugal-porto
Porto Tourism: https://www.visitportugal.com/en
Fundação de Serralves: https://www.serralves.pt/en/museum/the-museum/

Porto wine cases:
Porto Cellars: https://www.portocellars.com/#/section; Review c6800598-4218425-Reviews-Porto_Cellars-Vila_Nova_de_Gaia_Porto_District_Northern_Portugal.html
Caves: Cabim at Gaia waterfront is one of the most famous and most visited cellars for **wine** tours in **Porto**. Visits to the cellars are usually ended with a guided tour to the cellar and its ancient traditions, followed by a tasting of **Port wine** - white and special reserve.
Burmester Porto Wine Cellars and Wine Tasting: https://experiva.com/tours/burmester-cellars/
Taylor's Port Wine Cellars: Taylor's is probably by the bottom deck of Luiz I bridge. There are guided tours of the cellars, filled with history and interesting stories.

Shopping:
Mercado do Bolhão
Santa Engrácia
Cidade Bom Sucesso
Rua de Santa Catarina

To see in Porto:
Clérigos Tower
Casa da Música
Contemporary Art Museum
Bridges Cruise onboard with "Rabelos Boats"
Port Wine Cellars
Porto Cathedral

Detailed Program

ADVCOMP 2019, The Thirtieth International Conference on Advanced Engineering Computing and Applications in Sciences

ADVCOMP 1: Computing Applications in Science
Session chair: Sandra Bacik Richardson

Optimal Approximation for Multidimensional Nonlinear Point Data Sets
Rudolf Mester, Dean Gurkan, Victor Pollach

A Localized Hybrid Penalization Method for Simultaneous Data Reconstruction and Blass Field Correction
Linghai Kong

Irrigation Reservoir Modeling in Catchments without Measurements of Stream Flow
Ana Clara Santos Cardoso, Rodrigo Proença de Oliveira

ADVCOMP 2: Advances in Computation Methods
Session chair: Evgeny Kravtsov

Code Verification of PECM with Strongly Discontinuous Flows
Zhibo Wang

Quantitative Quantification of Density Reconstruction in High-Energy X-ray Radiography
Haibo Xu, Ailiga Li

Multi-Factor Authentication for Public Displays using the Semantic Ambient Media Framework
David Bouck-Standen, Josefine Kyllo

AMBIENT 2019, The Ninth International Conference on Ambient Computing, Applications, Services and Technologies

AMBIENT 1: Ambient Services, Technology and Platforms
Session chair: Alexander Gelbu

Efficient Online Cough Detection with a Minimal Feature Set Using Smartphones for Automated Assessment of Pulmonary Patients
Md Jobair Rahman, Ebrahim Ahmad, Md Mahbubur Rahman, Konrit Waiyawuo, Shawn Harlan, Jilong Kuang

An Efficient Message Collecting and Dissemination Approach for Mobile Crowd Sensing and Computing
Ou-Chieh Tsai, Hao Tang

Initial Investigation of Position Determination of Various Sound Sources in a Room
Ralf Bruns, Jürgen Peissig, Jonathan Brandt, Thomas Tenbrink

A Secure RoT Framework for an Optimized Cut for Creating Tenders in the TED Database of the EU
Sangarenraj N Kayla, Peter Schneider-Kamp

AMBIENT 3: Ambient Devices, Applications and Systems
Session chair: Ademola Thompson

Ambient Sensor Network for Non-Obtrusive Load Monitoring
Alexander Sarna, Benjamin Cauchi, Andreas Hein

Performance Isolation of Co-located Workload in a Container-based Vehicle Software Architecture
Johannes Bichler, Pee Bohlga Boladerka, Philipp Eichhorn, Markus Kucera, Thomas Waas

Effect of Heart Rate Feedback Visually on Cardiac Activity
Shuaibu Rishiya, Rei Sakagawa, Naoki Saiwa

Introducing SANVT: The Semantic Ambient Media Framework
David Bouck-Standen

CYBER 2019, The Fourth International Conference on Cyber-Technologies and Cyber-Systems

CYBER 1: Cyber Security I
Session chair: Hannan Azhar

Cyber Attacks on Robot Process Automation Environments
Petri Jaatun

Enhancing Attack Resilience by Protecting the Physical World Interface of Cyber-Physical Systems
Rainer Falk, Steffen Fries

Threat Based Cyber Security Investment Strategies [PRESENTATION]
Kate Labuschagne

A Fuzzy Decision Framework using Machine Learning Approach
Ali Ahmadian, Alexander Thamm, Jürgen Strackeljan

CYBER 2 / CWRM: The Challenges of Implementing Cyber Security in the Real World
Session chair: Anne Coull

Introduction - Editorial [PRESENTATION]
Anne Coull

How Much Cyber Security is Enough?
Chris Blask

Cyber Security Controls
Lesley Shepherd

Q3 007 – What Auditors are looking for? [PRESENTATION]
Lesley Shepherd

Open Discussion and Closing Remarks [DISCUSSION]
Anne Coull

CYBER 3: Cyber Security II
Session chair: Barbara L. Gurley

Detecting Spectre Vulnerabilities by Sound Static Analysis
Daniel Kästner, Laurent Mauborgne, Christian Ferdinand, Henrik Theiling

Hardware Implementation of Lightweight Chaos-Based Stream Cipher
Ibrahim Ozcelik, Wayyy Liu Gatlin, Sahreen El Assid, Mason Hannibuche, Olivier Defreges, Sylvain Guilley, Adrien Facon

Eavesdropping Hackers: Detecting Software Vulnerability Communication on Social Media Using Text Mining
Andre Lino Guerra, Susan Mokarram, Brian Hagan

A Secure Storage Scheme for Healthcare Data Over the Cloud Based on Multiple Authorizations
Zeyad A. Al-Odat, Sudarshan K. Srinivasan, Eman M. Al-Qtiemat, Sana Shuja

CYBER 4 / AICYBER: The Nexus of Cognitive Computing, Artificial Intelligence and Cyber Security – Anomaly Detection Systems
Session chair: Steve Chan

Introduction - Editorial [PRESENTATION]
Steve Chan

Annotated Cyber Resiliency: Cyber Assessment for the Launch Providers of Space Systems
Steve Chan, Bob Griffin

Surveying and Enhancing Grid Resilience Sensor Communications: An Amalgam of Narrowband, Broadband, and Hybridizing Spread Spectrum
Steve Chan, Jon Oakley, Verity Puyola

Fast Training of Support Vector Machine for Forest Fire Prediction
Steve Chan, Jay Oakwood Nejib, Verity Puyola

Context Retrieval Telemetry Data for Distribution Utilities: Quality Assurance/Quality Control by Lateral Sensors
Steve Chan, Jay Oakwood Nejib, Verity Puyola

Open Discussion and Closing Remarks [DISCUSSION]
Steve Chan

CYBER 5: Cyber Forensics
Session chair: Magyu Le Glenn

Refinement Checker for Embedded Object Code Verification
Mohammad Abu Alhaija, Ahmad Abu Alhaija, Ahmad Abu Shuja, Zeyad A. Al-Odat

Comparisons of Forensic Tools to Recover Ephemeral Data from iOS Apps Used for Cyberbullying
Aimee Chamberlain, M A Hannan Bin Azhar

Recovery of Forensic Artefacts from a Normal Home IoT Ecosystem
M A Hannan Bin Azhar, Samuel Benjamin Louis Bate

Forensic Investigation System ISMS-IF [PRESENTATION]
Jong-Chan Kim

DATA ANALYTICS 2019, The Eighth International Conference on Data Analytics

DATA ANALYTICS 1: Target Analysis
Session chair: Steve Chan

Improve Operations of Real-Time Image Classification Utilizing Machine Learning and Knowledge Evolution
Steve Chan, Jay Oakwood

Johann Sebastian Bach's Music is Speaking Up Fake News?
David van Enkevins, Daan van den Berg

Analyzing the Structural Health of Civil Infrastructures Using Correlation Networks and Population Analysis
Prasad Chetti, Hesham Ali

Improving Accuracy and Speed in Programmatic Advertising using Fuzzy Analytic Hierarchy Process and Similarity Methods
Dimitris Kanellopos, Stamoulis Bartsoudas

DATA ANALYTICS 2: Application-oriented Analysis
Session chair: Claudia Lanza

Analytical Models of Firing Rate Statistics in Sensory Neuroscience Experiments
Ian H. Stevenson, Fabian Kloosterman

Architecture of a Big Data Platform for a Semiconductor Company
Daniel Müller, Stephan Tiekoetter

A Multi-source Experimental Data Fusion Evaluation Method Based on Bayesian Method and Evidence Theory
Huan Zhang, Wei Li, Ping Ma, Ming Yang

Analysis of Cyber Security Events Using Information from Scientific Publications
Philipp Wolf, Clarissa Marquardt, Katja Neu, Steffen Schulz, Andreas Schmutz

DATA ANALYTICS 3 / Ai GH: Artificial Intelligence in Global Health
Session chair: Lee Schalkwyk

Introduction - Editorial [PRESENTATION]
Lee Schalkwyk

Leveraging Statistical Methods for an Analysis of Demographic Factors of Opioid Overdose Deaths
Ramanathan Daniel Yoder, Lee Schalkwyk, Sean Zahnzinger

Effects of New Media on Eviction Rates
Regina Ruane

Open Discussion in the Prevention, Treatment and Rehabilitation of Memory Disorders [PRESENTATION]
Mario Amraoui

Open Discussion and Closing Remarks [DISCUSSION]
Lee Schalkwyk

DATA ANALYTICS 4 / PDA: Predictive Data Analytics
Session chair: Sandipa Bhutak

Introduction - Editorial [PRESENTATION]
Sandipa Bhutak

Applied Urban Fire Department Incident Forecasting
Guido Legemaate, Jeffrey de Deijn, Sandipa Bhutak, Rob van der Mei

Data-driven Direct Marketing via Approximate Dynamic Programming
Sandipa Bhutak, George Kapiris

Open Discussion and Closing Remarks [DISCUSSION]
Sandipa Bhutak

EMERGING 2019, The Eleventh International Conference on Emerging Networks and Systems Intelligence

EMERGING 1: Networks and Systems Intelligence
Session chair: Rainer Falk

An RSU Placement Framework for V2I Scenarios
Andrea Cuteo Florencio

Dynamic Path Discovery for In-band Control Plane Communication in a Tactical SDN Network
Anders Fongen

Semi-Automated Footwear Print Retrieval Using Hierarchical Features
Ashley Monk, Matthew Shardlow

The Use of S- Portfolio to Develop Student's Self-reflection in Pre-school - The case of a Private Saida (Lebanon) High School
Rouaa Chahine, Hassan Al Khazzhi

EMERGING 3: Advanced Technologies of Signal Processing with Application in Operating and Monitoring the Industrial Processes
Session chair: Andrea Cuteo Florencio

Introduction - Editorial [PRESENTATION]
Andrea Cuteo Florencio, Theodor D. Popescu

Advanced Signal Processing Techniques for Predictive Maintenance of Rolling Element Bearings
Theodor D. Popescu, Dorel Aiordachioaie, Andrea Cuteo Florencio

A Method of Feature Extraction from Time-Frequency Images of Vibration Signals in Faulty Bearings for Classification Purposes
Theodor D. Popescu, Theodor Pogăncioiu, Bogdan Dumitrescu

Fault Detection using NLMS Adaptive Filtering for a Wastewater Treatment Process
Wilhelm Minin, Andrei Cuteo Florencio, Mihai Culea

A Battery Charging Smart System Using a Power Management Algorithm and Adaptive Impedance
Nicolae Marius Laurentiu Baicu, Bogdan Dumitrescu

Open Discussion and Closing Remarks [DISCUSSION]
Andrea Cuteo Florencio, Theodor D. Popescu

GLOBAL HEALTH 2019, The Eighth International Conference on Global Health Challenges

GLOBAL HEALTH 1: Challenges
Session chair: Evgeniy Kravtsov

Effects of Perioperational Exercise to Chlorpyrifos and/or High Fat Diet on Sleep Apnea in Young Adult Rats
Ryo Kawasaki, Yuki Kawamura, Yuki Tsuchiya, Jaehee Gay Gutierrez, Veronique Bach, Manon Guillaumin'ne, Nanhaee Cabaluna, Wakae Daneshia, Wataru Hamakawa

Population Level Analysis of Acute Stroke Care Patterns in Hungary
Istvan Vassanyi, Zsolt Vassy, Tamás Kovács, Gyöngyi Szabó, Zoltán Nagy

Open Discussion and Closing Remarks [DISCUSSION]
Evgeny Kravtsov, Dimitar Kirkatchkov, Lyudomir Kirov, Petko Krusarchev, Simeon Atanov, Alexandrina Lambova

The Role of School Administration in Providing and Promoting Health Education in Schools in Nabatieh (Lebanon) Area
Amani Berjawi, Ali Al Khatib, Hassan Khachfe

GLOBAL HEALTH 3: Health and Wellness Informatics
Session chair: Kevin Vasefzar

Determining Testbed Requirements for Technology Enhanced Speech Rehabilitation After Stroke - the Informed Co-Design Approach
Karin Wirth, Alexis Arnaud, Peter Mosetick

Implementation of a Distributed System to Collect, Search and Manage Data of Patients with Leprosy in Hyperendemic Regions
Arlenes Nogueira, Velma Corrêa, Cláudio Salgado, Guilherme Corrêa

HemiPredict App
Mikail ur Rehman, Tauseef Kamal

Automated Measurement of Echocardiographic Global Longitudinal Strain
Hisham Sallam, Mohamed Haj Hassan, Houssein Haj Hassan, Hasser Al Khatib

SEMAPRO 2019, The Thirteenth International Conference on Advances in Semantic Processing

SEMAPRO 1: SemaSLP: Semantic Methods for Natural Language Processing
Session chair: Anne Coull

Introduction - Editorial [PRESENTATION]
Anne Coull, Sandipa Bhutak

Tool-set for Feature Selection for Feedback on Preposition Usage
John Lee

Text Similarity Estimation for Targeted Marketing with Outlier Robust Centroids of GloVe Word Embeddings
Tim van der Bruck

Open Discussion and Closing Remarks [DISCUSSION]
Anne Coull, Sandipa Bhutak

SEMAPRO 2: SyRoJoTH: SoMeAnic Technologies for Healthcare and Accessibility Applications
Session chair: Nasrine Olson

Introduction - Editorial [PRESENTATION]
Efthimia Kompoundra, Sandra Dankiw, Marina Riga

Methods for Performing Formulaic for Information Exchange between Deafblind People and Databases
Carina Seno

Static and Dynamic Haplotypes to Communicate Semantic Content
Sandra Dankiw, Nasrine Olson, Marina Riga, Efthimia Kompoundra, Ioannis Kompatsiaris

A State of the Art Survey: Business Cases Based on Semantic Web Technologies in Healthcare
Ioannis Kompatsiaris, Efthimia Kompoundra, Sandra Dankiw, Marina Riga

Knowledge-based Intelligence and Strategy Learning to Personalised Virtual Assistance in the Healthcare Domain
Eleni Kamateri, Georgios Meditskos, Spyridon Symeonidis, Stefanos Vrochidis, Ioannis Kompatsiaris, Wolfgang Minker

Open Discussion and Closing Remarks [DISCUSSION]
Efthimia Kompoundra, Sandra Dankiw, Marina Riga

SYNAPHEA 2019, Synergies in Applications/Pharmacologies
Session chair: Petra Dey

A Semantic Model for the Validation of eProsperi Certificate Chain of Trust
Ekwaboi Dinama, Hind Zantout, Hani Ragab Hassen

Semantic Queries Supporting Crisis Management Systems
Ioannis Kompatsiaris, Sandra Dankiw, Marina Riga, Efthimia Kompoundra

Knowledge Base Completion With Analogical Inference on Context Graphs
Nada Mimouni, Jean-Claude Moissinac, Anh Tuan Vu

Knowledge Representation Frameworks for Technology Management in Cybersecurity: The OCS Project Use Case
Claudia Lanza, Elena Carolillo, Maria Tavernini, Roberto Guarasci

UBICOMM 2019, The Thirteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies

UBICOMM 1: Users, Applications, and Business Models
Session chair: Joao Carneiro

TPM Feature Set: a Universal Algorithm for Spatial Temporal Pressure Mapping Imagery Data
Wu Zhou, Pierluigi Siano

Multi-Criteria Decision Aid Approaches: A Comparison Between MCDT and GAIP
Luis Augusto Silva, Gabriel de Mello, Bruno A. da Silva, Gabriel Villarubia Gonzalez, Juan De Paz Santana, Paulo Pinto, Vadim R. Q. Ledhardt

Using Gamification with NEWTON Project Support for STEM Education
Cristina Costa-Kuhnen, Diana Bogusevschi

NEWTON Programming Pilot: Enhancing Learner's Experience in Higher Education Programming Courses
[PRESENTATION]
Gabriel Milin Kuhnen

UBICOMM 2: Ubiquitous Computation Ubiquity
Session chair: Giuseppe Ercolani

AHRS Calibration for a Drift Sting Sensor Network Application
Emmanuel Odei-Lartey, Klaus Hartmann, Hubert Roth

Predicting User Interests Based on Their Liked Web Activities
Yuki Kawabe, Yuki Yamagata, Kazuhiro Ueda, Kenichi YAMADA, Hirokazu YOSHIKAWA, Keiichi KOYANAGI

UAV Formation Video Coding for Multi-camera and Multi-processor Acquisition Systems
Joao Duarte, Joao Carneiro, Pedro Assuncao

UBICOMM 3: Mobility
Session chair: Hannan Azhar

Cooperative Caching Strategy for Queued Handover Requests in Cellular Networks
Ricardo Caseiro-Silva, Jorge Martinez-Bauset

Contextualization of the Trainability Concept in the SaaS Model for Mobile and Ubiquitous Environment Deployed in Public Cloud
Giuseppe Ercolani, Jose Vicente Rodriguez Munoz

UBICOMM 4: Ubiquitous Computing Tools and IoT Technologies
Session chair: Konstantinos Kotis

Introduction - Editorial [PRESENTATION]
Konstantinos Kotis, Christos Goumopoulos, Dimitris Kanellopoulos

Automating the Semantic Labeling of Stream Data
Konstantinos Kotis

Interoperability in IoT: A Mid-Way Factor to Create the "Social Networks" of Things
Antonios Platteros, Christos Goumopoulos, Konstantinos Kotis

Innovative Micro-Authentication Server (MAS) Providing Trusted Authentication Services To Mobile Users Equipped with TLS Tokens
Ioannis Stamos, Pascal Urien

Open Discussion and Closing Remarks [DISCUSSION]
Konstantinos Kotis, Christos Goumopoulos, Dimitris Kanellopoulos

UBICOMM 5 / IFSA: IoT for Flexible Digital Automation
Session chair: John Soldatos

Introduction - Editorial [PRESENTATION]
John Soldatos, Pedro Maló

Business Case Evaluation Methodology (BCEM) for Factories Digitalization
Roberto Rocca, Giacomo Tavola, Filippo Boschi, Paolo Ferrito, Marco Taisch

Architectural Blueprint Solution for Migrating Towards FAR-EDGE
Roberto Rocca, Giacomo Tavola, Filippo Boschi, Paolo Ferrito, Marco Taisch

Digital Models for Data Analytics and Digital Twins in Industrial Automation Applications, Introduction of a Common Interoperability Registry
Nikos Kefalakis, John Soldatos, Mauro Isaja

A Field Study: The Perception of Edge Computing for Production Industry
Giacomo Tavola, Roberto Rocca, Filippo Boschi, Marco Taisch

Open Discussion and Closing Remarks [DISCUSSION]
John Soldatos, Pedro Maló

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