Tuesday, July 8, 2025

Session Chair: **Guillermo A. Francia, III**
Center for Cybersecurity, University of West Florida, USA

08.00-08.20   WayOutBench: Evaluating Multimodal LLMs in Interactive Environments
Dimosthenis Margaritis, Dimitris Karidas, Perikles Papadopoulos, and Helen C. Leligou
University of West Attica, Greece

08.20-08.40   Enhancing Social Media Engagement Sentiment Prediction: A Random Forest and SMOTE-Based Approach with Explainable AI
Tahsien Al-Quraishi[1], Waseem Alwan Zaboon[2], Osama A. Mahdi[3], Hadi Naghavipour[1], and Hsham Aburghif[4]
[1]Victorian Institute of Technology, Australia
[2]Wasit University, Iraq
[3]Melbourne Institute of Technology, Australia
[4]Victorian Institute of Technology, Australia

08.40-09.00   Generative Artificial Intelligence as a Tool to Design the Learning Process using Active Learning Methodologies
Michele Della Ventura
Accademia Musicale Studio Musica, Italy

09.00-09.20   Understanding GPU Architecture Influences on Low-Precision Deep Reinforcement Learning Performance
Christopher Hixenbaugh[1], Eugene Chabot[2], and Alfa Heryudono[1]
[1]University of Massachusetts Dartmouth, USA
[2]University of Rhode Island, USA

09.20-09.40   Cyberbullying Text Classification Using Neural Networks, Generative Models, and Graph Analysis
Ana Laura Lezama-Sánchez[1] and Mireya Tovar Vidal[2]
[1]Escuela de Artes Plasticas y Audiovisuales, Benemerita Universidad Autonoma de Puebla, Mexico
[2]Faculty of Computer Science, Benemerita Universidad Autonoma de Puebla, Mexico

09.40-10.00	Enhancing Parking Efficiency and Environmental Sustainability Using Advanced Object Detection Algorithms Yuan-Ding Hu[1], **Ali Hosseinzadeh**[2], F. Frank Chen[2] and Yen-Kun Lin[1] [1]National Formosa University, Yunlin, Taiwan [2]The University of Texas at San Antonio, USA
10.00-10.20	A 3D Convolutional Neural Network for Real Time Car Crash Detection in Road Traffic Videos Yasmine Mnafki[1], Danielle Azar[1], **Leonardo Daou**[1,2], Gregory Zacharewicz[2], and Jalal Possik[3] [1]Lebanese American University, Lebanon [2]IMT-Mines Ales, LSR, France [3]Université Catholique de Lille, France
10.20-10.40	BREAK
10.40-12.00	Panel: **Where is Computational Intelligence Heading?**

Moderator: **Robert Polding,** IE University, Spain

Panelists: **Robert Dietze**, Chemnitz University of Technology, Germany
Eman El-Sheikh, University of West Florida, USA
Antoun Yaacoub, ESIEA, France

12.00-12.20	FREE SLOT
12.20-01.20	LUNCH BREAK (ON YOUR OWN)
01.20-02.40	Keynote Speech: Intent-Based Management for Next-Generation Networks: an LLM-centric Approach

Professor Adlen Ksentini
Communication Systems Department, EURECOM, France

02.40-03.00	FREE SLOT
03.00-03.20	BREAK

Session Chair: Eman El-Sheikh
Center for Cybersecurity, University of West Florida, USA

03.20-03.40   Performance of Machine Learning Classifiers for Anomaly Detection in Cyber Security Applications
Markus Haug, Gissel Velarde
IU International University of Applied Science, Erfurt, Germany

03.40-04.00   On the Design and Visualization of Connected Vehicle Security Metrics
Guillermo A. Francia, III and Eman El-Sheikh
Center for Cybersecurity, University of West Florida, USA

04.00-04.20   Designing for Security: A Model for Aged Users' Mobile Banking Applications in South Africa
Rumbidzai Goronga, Adéle Da Veiga, and Hugo Lotriet
School of Computing, University of South Africa, South Africa

04.20-04.40   PFHaD: Page Fault Handler Assisted Defense Against Data-Oriented Attacks
Tianning Zhang[1] and Hao Huang[2]
[1]School of Computer, Jiangsu University of Science and Technology, Zhenjiang, China
[2]Department of Computer Science and Technology, Nanjing University, Nanjing, China

04.40-05.00   A Robust Speech Encryption Method Using Segmentation and Chaotic Keys for Enhanced Audio Security
Mua'ad Abu-Faraj[1], Abeer Al-Hyari[2], and Ziad Alqadi[3]
[1]Department of Computer Information Systems, The University of Jordan, Aqaba, 77110, Jordan
[2]Deaprtment of Electrical Engineering, Al-Balqa Applied University, As Salt 19117, Jordan
[3]Department of Computers & Networks Engineering, Al-Balqa Applied University, Amman 15008, Jordan