Tuesday, August 26, 2025 (Meeting Room: Atlantic)

ICR25-Session-4-IR   **Health Informatics and Biomedical Imaging**
08.00-09.20, August 26, 2025 (In Person/Remote)

Session Chair: **Sandi Ljubic**
University of Rijeka, Croatia

08.00-08.20   Urban Technologies for Sustainable Aging: Addressing Vision Impairments in Older Populations

Gema Martinez-Navarrete[1], Vanessa Zorrilla-Muñoz[2,3], Eduardo Saenz de Cabezon[4], Nicanor Morales-Delgado[1], Ramon Peral-Orts[5], María Silveria Agulló-Tomás [2,6], Nicolas Garcia Aracil[1], Jose Maria Sabater-Navarro[1], and Eduardo Fernandez [1,7]

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[2]Bioengineering Institute, Miguel Hernandez University, 03202, Elche, Spain
[3]University Institute on Gender Studies, University Carlos III of Madrid, Getafe, 28903 Madrid, Spain
[4]Department of Mathematics and Computation Department, University of La Rioja, 26006, Logroño, Spain
[5]Department of Applied Mechanical Engineering, Miguel Hernandez University, 03202, Elche, Spain
[6]Social Sciences Department, University Carlos III of Madrid, Getafe, 28903 Madrid, Spain
[7]Networking Research Centre of Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN), Spain

08.20-08.40   A Comprehensive Three-Stage Evaluation Framework for AI-Enhanced EHR Training Systems: A Case Study in Cardiac Catheterization Laboratory Documentation

Vikraman Baskaran and Keyani Mathis
College of Professional Advancement, Mercer University, Atlanta, GA-30341, USA

08.40-09.00   Advancing Healthy Aging: The Impact of Assistive Technolo-gies on Mobility and Self-Care Among Older People

Vanessa Zorrilla-Muñoz[1,2], Gema Martinez-Navarrete[3], Yolanda Vales[1], José M. Catalan[1], Andrea Blanco-Ivorra[4], Nicanor Morales-Delgado[5], Ramón Peral-Orts[6], Eduardo Saenz-de-Cabezon[7], José María Sabater-Navarro1, Eduardo Fernandez[1, 8], Nicolas García Aracil1, and Mari Carmen Lillo-Navarro[9]

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[2]University Institute on Gender Studies, University Carlos III of Madrid, Getafe, 28903 Madrid, Spain
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[9]Department of Pathology and Surgery, Miguel Hernandez University, 03550, San Joan, Spain

09.00-09.20	TINRELIEF: Mobile Application for Tinnitus Sound Therapy

Luka Škrlj[1,2], Andrea Andrijašević[3], Mirta Čulina[4], and **Sandi Ljubic**[1,2]
[1]University of Rijeka, Faculty of Engineering, Vukovarska 58, 51000 Rijeka, Croatia
[2]Center for Artificial Intelligence and Cybersecurity, University of Rijeka, R. Matejˇci´c 2, 51000 Rijeka, Croatia
[3]University of Applied Sciences of Rijeka, Vukovarska 58, 51000 Rijeka, Croatia
[4]Clinical Hospital Center Rijeka, Kreˇsimirova 42, 51000 Rijeka, Croatia

09.20-10.20	**Panel**:	**Current and Future Innovations in Data Science**
	Moderator:	**Robert Polding**, IE University, Spain
	Panelists:	**Samah Senbel**, Sacred Heart University, USA
		Maryna Averkyna, Estonian Business School, Estonia
		Imran Khan, Sultan Qaboos University, Muscat, Oman.

10.20-10.40 **BREAK**

ICR25-Session-5-IR **Computer and Network Security**
10.40-12.00, August 26, 2025 (In-person/Remote)

Session Chair: **Eleftherios Zacharioudakis**
National Technical University of Ukraine, Ukraine

10.40-11.00	Impact Assessment of Adversary-in-the-Middle Attack Evilginx Bypassing 2FA

Hiroaki Kikuchi
Meiji University, 4-21-1 Nakano, Tokyo 164-8525, Japan

11.00-11.20	Developing a Conceptual Framework for Enhanced Cybersecurity Defense against Zero-Click Exploit

Abdulhadi A. AL Khamis[1], Mohsin Iftikhar[2], Mohsin Murtaza[3], and Sohail Gohir[4]

[1] Saudi Aramco, Saudi Arabia
[2] Higher Colleges of Technology, UAE Federal Government
[3] STEM College, RMIT University, Melbourne, Australia
[4] Higher Colleges of Technology, UAE Federal Government

11.20-11.40	Dynamic and Explainable Federated Learning for IoT Anomaly Detection: A Comparative Study with Centralized Machine Learning Models

Alend Jarjis[1, 3] and Yaşar Becerikli[2]
[1] Faculty of Engineering, Department of Computer Engineering, Kocaeli University, Kocaeli 41001 Turkey
[2] Department of Digital Forensics Specialization, Institution of Forensic Medicine, Istanbul 34400 Turkey
[3] Department of Mathematics, College of Education, Salahaddin University, Erbil, Iraq

11.40-12.00	A Scalable Cybersecurity Model for Shared SOCs in SMEs

Eleftherios Zacharioudakis[1] and Elena Kakoulli[2,3]
[1] National Technical University of Ukraine, Igor Sikorsky Kyiv Polytechnic Institute, Kyiv, Ukraine
[2] Intelligent Systems Laboratory, Department of Computer Science, Neapolis
University Pafos, Pafos, Cyprus
[3] Electrical Engineering and Computer Engineering and Informatics, Cyprus
University of Technology, Limassol, Cyprus

12.00-12.20	**FREE SLOT**

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

ICR25-Session-6-IR   **Internet of Things + Computer and Network Security**
01.20-02.40, August 26, 2025 (In-person/Remote)

Session Chair: **Spyros Sioutas**
University of Patras, Greece

01.20-01.40	SF-SMCM: A Security Framework for Single-To-Multi-Cloud Migration

Yasmin Gad, Mohamed Hamed N. Taha, and Nour Eldeen Khalifa
Faculty of Computers and Artificial Intelligence, Cairo University, Egypt

01.40-02.00	From Static to Elastic: A Hybrid IoT Ontology Framework for Industry 4.0 and Beyond

Larysa Globa[1], **Serhii Ushakov**[1], and Oleh Kopiika[2]

[1]Institute of Telecommunication System, National Technical University of Ukraine, Ukraine
[2]Institute of Applied Control Systems of the National Academy of Sciences of Ukraine, Ukriane

02.00-02.20   Securing LoRaWAN for Smart Grids: A Comprehensive Analysis of Vulnerabilities, Challenges, and Research Directions
Noor Shomal and Bassel Soudan
University of Sharjah, Sharjah, UAE

02.20-02.40   Optimizing Data Transmission in LoRa-Based IoT Systems: A Performance Evaluation of Compression Algorithms
Vasilikh Misahlidou[1], Aristeidis Karras[1], Ioanna Giannoukou[2], and **Spyros Sioutas**[1]
[1]Computer Engineering and Informatics Department, University of Patras, Greece
[2]Department of Management Science and Technology, University of Patras, Greece

02.40-03.00   **BREAK**

03.00-04.00   **Keynote Speech:**
Architectures of Next Generation Wireless Networks

Professor Pascal Lorenz
University of Haute-Alsace, France, France