

Wednesday, July 9, 2025

Session Chair: Yousra Odeh

Al-Zaytoonah University of Jordan, Amman, Jordan

ACR25-Session-7-IR

Software Engineering

08.00-09.20, July 9, 2025 (In-person/Remote)

08.00-08.20

Spherical Easel Remote Script Execution

Hans Dulimarta¹ and William Dickinson²

¹College of Computing, Grand Valley State University, Grand Rapids, Michigan, USA ²Department of Mathematics, Grand Valley State University, Grand Rapids, Michigan, USA

08.20-08.40

From Agile Development Challenges to Agile Digital Readiness Framework in Digital Healthcare: A Review-Driven Approach

Yousra Odeh

Software Engineering Department, Al-Zaytoonah University of Jordan, Amman, Jordan

08.40-09.00

Novel Use of Software Eng. Concepts for STEM Education

Neelam Soundarajan

Department of Computer Science & Engineering, The Ohio State University, USA

09.00-09.20

From Click to Cash: Blazor-Enabled Real-Time Money Transfers Model

Artina Kamberi¹ and Agon Memeti²

¹Department of Economics, Southeast European University, North Macedonia

²Department of Computer Sciences, University of Tetova, North Macedonia

09.20-10.20

Keynote Speech: Cybersecurity- Privacy: How Can I Protect Myself in Cyber Space? Can I Get Some Privacy Please?

Professor Levent Ertaul

California State University Easy Bay, USA

10.20-10.40

BREAK

ACR25-Session-8-IR

Cloud and Mobile Computing
10.40-11.40, July 9, 2025 (In-Person/Remote)

Session Chair:

Faten Ben Aicha
Tunis El Manar University, Tunisia

10.40-11.00

Transforming E-commerce: A Microservices-Based Taxonomy for Cloud Applications

Waleed Ibrahim^{1,2,3} and **Van Kiet Luong**⁴

¹The University of Sydney, Australia

²Central Queensland University, Australia

³Victoria University, Australia

⁴Western Sydney University, Australia

11.00-11.20

Enhancing Scalability and Security in Multi-Cloud Communication Using Blockchain Technology

Deshao Liu^{1,2,3,4} and Abubakar Bello⁵

¹School of Computer Data and Mathematical Sciences, Western Sydney University (WSU), Sydney, Australia

²Asia Pacific International College (APIC), Australia

³The Institute of International Studies (TIIS), Australia

⁴Lincoln Institute of Higher Education (LIHE), Australia

⁵Edge Hill University, UK

11.20-11.40

XMeta-OS: A Conceptual Framework for Unified Resource Management in Distributed Edge-Cloud Environments

Eleftherios Zacharioudakis^{1,2}, Elena Kakoulli^{1,3}, and Salomi Evripidou¹

¹Neapolis University Pafos, Pafos, Cyprus

²National Technical University of Ukraine, Ukraine

³Cyprus University of Technology, Cyprus

11.40-01.20

LUNCH BREAK (ON YOUR OWN)

01.20-02.20

Panel: Emerging Trends in Data Analytics Engineering

Moderator: **Samah Senbel**, Sacred Heart University, USA

Panelists: **Hanan AlJuaid**, Princess Noura University, KSA
Maryna Averkyna, Estonian Business School, Estonia
Kazem Taghva, University of Nevada, USA

02.20-02.40

BREAK

ACR25-Session-9-I Networking and Communication/Data Analytics Engineering
02.40-04.00, July 9, 2025 (In-Person)

Session Chair: **Kazem Taghva**
University of Nevada, USA

02.40-03.00 A Non-sequentially Trained MLP Model for Financial Time Series
Forecasting
Mohsen Larni and **Kazem Taghva**
University of Nevada, USA

03.00-03.20 A Low-Cost LoRaWAN-Based Smart System for Cow Monitoring: A
Case Study
Faten Ben Aicha¹ and Eralda Caushaj²
¹Tunis El Manar University, Higher Institute of Computer Science,
Tunisia
²School of Business Administration, Oakland University, Rochester Hills,
Michigan, USA

03.20-03.40 Evaluating the Role of 5G Networks in Enhancing Real-Time
Communication and Interactive Learning for English Language Teaching
in Higher Education
Samya Al-Shidi
Department of Business and Management Studies, Gulf College, Oman

03.40-04.00 Disability Portrayals in Artificial Intelligence Text-to-Image Generation
and the Medicalization of Disability in Higher Education
Benjamin Ertman¹, **Paul B. Perrin**^{1,2}, and Bridget Xia²
¹University of Virginia, Department of Psychology, USA
²University of Virginia, School of Data Science, USA