

# **EAI Mobility IoT 2022 - 9th EAI International Conference on Mobility, IoT and Smart Cities**

**December 15, 2022**

**Bratislava, Slovakia (Online)**

## **Steering committee**

### **Member**

**Assoc. Prof. Lucia Knapcikova, Ph.D.**

Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic

**Shakib Zohrehvandi, Ph.D.,**

Kharazmi University, Centre for European Studies, Iran

## **Organizing Committee**

### **General Chairs**

**Assoc. Prof. Lucia Knapcikova, Ph.D.**

Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic

**Shakib Zohrehvandi, Ph.D.,**

Kharazmi University, Centre for European Studies, Iran

## **Technical Program Committee Chairs**

**Assoc.Prof. Lucia Knapcikova**

Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov, Slovakia

**Shakib Zohrehvandi, Ph.D.,**

Kharazmi University, Centre for European Studies, Iran

**Assoc.Prof. Roya Soltani**

Khatam University, Tehran, Iran

**Prof. Dragan Peraković**

University of Zagreb, Croatia

**Assist. Prof. Annamaria Behunova**

Technical University of Košice, Faculty of Mining, Ecology, Process Control and Geotechnology, Slovakia

## **Web Chair**

**Assoc.Prof. Lucia Knapcikova**

Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov, Slovakia

## Publicity and Social Media Chairs

### **Assoc.Prof. Lucia Knapcikova**

Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov, Slovakia

### **Shakib Zohrehvandi, Ph.D.,**

Kharazmi University, Centre for European Studies, Iran

## Workshop Chairs

### **Assoc.Prof. Lucia Knapcikova**

Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov, Slovakia

### **Shakib Zohrehvandi, Ph.D.,**

Kharazmi University, Centre for European Studies, Iran

## Sponsorship & Exhibits Chair

### **Assoc.Prof. Lucia Knapcikova**

Technical University of Košice, Faculty of Manufacturing Technologies with a seat in Prešov, Slovakia

---

## Welcome speech by the General chair of the EAI Mobility IoT and Smart Cities 2022

- **Assoc. Prof. Lucia Knapcikova, Ph.D.**  
Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic

## Keynote speech

- **Dr. Ammar Odeh**  
Princess Sumaya University for Technology, Jordan  
  
Title: Novel Algorithm for Secure Medical Images

## Plenary session /Oral presentations

- **Honarmand Shahzileh, Z., Aghdasi, M., Albadvi, A.,** Tarbiat Modares University, Lappeenranta-Lahti University of Technology, Finland, Iran  
Title: Collaboration of an Established Company with Startups: A Funnel-Shaped Framework
- **Maajid, R., Rachmawati, R.,** Universitas Gadjah Mada, Faculty of Geography, Yogyakarta, Indonesia  
Title: Utilization of Jakarta Kini (JAKI) Application to Support Smart Economy Implementation in DKI Jakarta

- **Holubcik, M., Jandacka, J., Nicolanska, M.,** University of Žilina, Faculty of Mechanical Engineering, Slovak Republic  
Title: Construction and experimental testing of innovative wireless emission monitoring system in small household of Smart City
- **Cheraghi, E., Zohrehvandi, S., Knapcikova, L., Khalilzadeh, M., Shadrokh, S., Soltani, R.,** Science and Research Branch, Azad University, Tehran, Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic, Sharif University of Technology, Tehran, Khatam University, Tehran, Iran  
Title: Optimizing the resource planning system in project- oriented construction and industrial companies, using a fractal method

**xxxx COFFEE BREAK xxxx**

- **Smetankova, J., Grazianova, M., Mesaros, P.,Krajnikova, K., Behunova, A.** Technical University of Košice, Faculty of Civil Engineering, Slovak Republic, Technical University of Košice, Faculty of Mining, Ecology, Process Control and Geotechnologies, Slovak Republic  
Title: Management and maintenance of buildings in BIM environment: Facility management of historic buildings-H BIM
- **Knapcikova, L., Behunova, A., Husar, J., Tauberova, R.** Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic  
Title: Smart Approaches by Online Monitoring in Transportation
- **Horkay, J., Al-Rabeei, S., Korba, P., Hovanec, M., Tymofiiv, V.,** Technical University of Košice, Faculty of Aeronautics, Slovak Republic  
Title: Opportunities for the use of biometric technology in air transport
- **Husar, J., Hrehova, S., Knapcikova, L., Trojanowska, J.** Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic, Poznan University of Technology, Faculty of Mechanical Engineering, Poland  
Title: A New Trend in Car Personalization Based on Augmented Reality: A Study

**xxxx COFFEE BREAK xxxx**

- **Sekelova, I., Korba, P., Koscakova, M., Al-Rabeei, S.,** Technical University of Košice, Faculty of Aeronautics, Slovak Republic  
Title: Digital Well-Being and Satisfaction of University Students with Online Education
- **Purnomo, A., Firdausi, N., Prasetyo, Y.T., Rosyidah, E., Persada, S.F., Pramono, A.,** Bina Nusantara University, Universitas Nahdlatul Ulama Sidoarjo, Mapua University, Indonesia  
Title: Digital Entrepreneurship in The Digital Economy: A Review

- **Hricova, R.** Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic  
Title: Digitization, personalization and automation of business processes
- **Koscakova, M., Korba, P., Sekelova, I.** Technical University of Košice, Faculty of Aeronautics, Slovak Republic  
Title: Possibilities and Challenges for the Sustainable Development of Air Transport
- **Gubinova, K., Ganobcik, J., Pajtinková Bartáková, G., Jantova, M.,** Comenius University Bratislava, Faculty of Management, Slovak Republic  
Title: Smart Solutions for an Improved Experience in the Process of Buying Slovak Products

### **Closing speech and Best Paper Award by General chair of the EAI Mobility IoT and Smart Cities 2022**

- **Assoc. Prof. Lucia Knapcikova, Ph.D.**  
Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic