

PERIOT 2021

THE FIFTH INTERNATIONAL WORKSHOP ON MOBILE AND PERVASIVE INTERNET OF THINGS

FRIDAY, MARCH 26, 2021 IN KASSEL, GERMANY
ALL TIMES ARE IN CET

Track: Real World and Production Deployment
Friday, March 26, 8:45 AM – 12:00 AM (CET)

Session 1: Workshop Introduction

[8:45 – 9:00] Opening Remark on Track

Chairs: Dr. Nicola Bicocchi, Dr. Marco Picone (University of Modena and Reggio Emilia)

- Workshop Schedule Presentation
- Workshop and Track's Statistics

Session 2: Keynote

[9:00 – 10:00]: Keynote Talk (Chair: Prof. Nicola Bicocchi, University of Modena and Reggio Emilia)

- **Speaker Name:** Dr. Alexander Artemenko (Robert Bosch GmbH, Germany)
- **Title:** Advances and Challenges of Industrial IoT

[10:00 – 10:15] Keynote Q&A and Final Discussion

Session 3: Paper Presentations (Chair: Dr. Marco Picone, University of Modena and Reggio Emilia)

- 1. [10:20 – 10:50] *Algorithm for Dependency-Preserving Smart Home Updates.*** Peter Zdankin, Matthias Schaffeld, Marian Waltereit, Oskar Carl, Torben Weis
- 2. [10:55 – 11:25] *Towards Programming participatory IoT applications with mobility for Smart Cities.*** Felipe Oliveira Carvalho, Markus Endler
- 3. [11:30 – 12:00] *A Policy-Based Approach for Managing Socially Appropriate Interaction Behaviours in IoT Collectives.*** Amna Batool, Seng W. Loke, Niroshinie Fernando and Jonathan Kua

Track: Mobile and Pervasive Internet of Things
Friday, March 26, 1:30 PM – 5:30 PM (CET)

Session 4: Keynote

[1:30 – 2:30]: Keynote Talk (Chair: Dr. Endadul Hoque, Syracuse University)

- Speaker Name: *Zhiqiang Lin, Associate Professor, Ohio State University*
- Title: ***keynote: Uncovering Vulnerabilities in Bluetooth Devices with Automated Binary Analysis***

Session 5: Introduction

[2:30 – 2:55] Opening Remark on Track

Chairs: Dr. Mohammad Arif Ul Alam, UMASS Lowell

- Workshop and Track's Statistics

Session 6: Paper Presentations (Chair: Dr. Mohammad Arif Ul Alam, UMASS Lowell)

1. **[4:00 – 4:30] *Multi-Weather Classification using Evolutionary Algorithm on EfficientNet.***
Zhang Yulong; Jingtao Sun; Mingkan Chen; Qiang Wang; Yuan Yuan
2. **[4:30 – 5:00] *Leveraging IoT and Weather Conditions to Estimate the Riders Waiting for the Bus Transit.***
Ismail Arai; Ahmed Elnoshokaty; Samy S. El-Tawab
3. **[5:00 – 5:30] *ArcIoT: Enabling Intuitive Device Control in the Internet of Things through Augmented Reality.***
Jie Hua; Sangsu Lee; Gruia-Catalin Roman; Christine Julien