

EAI MobilityIoT 2021
8th EAI International Conference on Mobility, IoT and Smart Cities

PLEASE KEEP CHECKING WEBSITE FOR MORE UPDATES

Note: The conference starts at 8:30 am (CET / GMT +1) on 10th December 2021

8:30 – 8:40

Opening Speech by General Chair of Mobility IoT 2021: Prof. M.A. Dagmar Cagáňová, Ph.D. (Institute of Industrial Engineering and Management Faculty of Materials Science and Technology STU)

8:40 – 8:45

Welcome Message by EAI

8:45 – 09:00

Keynote Speech : Holubcik, Michal; Jandacka, Jozef; Nicolanska, Miriam: Design of a low-cost wireless emission monitoring system for solid-fuel heat sources

Session 1 - Chair: Ľubica Pechanová (Slovak University of Technology, Slovakia)

09:00 – 9:20

Safronova, Alina; Barisa, Aiga; Kirsanovs, Vladimirs:
LINKING SUSTAINABLE MOBILITY CRITERIA TO POLICYMAKING:
RESULTS OF MULTI-CRITERIA

9:20 – 9:40

Remelhe, Elsa; Cerqueira, Marcelo; Faria, Pedro; Paiva, Sara: SUSTAINABLE SMART PARKING SOLUTION IN A CAMPUS ENVIRONMENT

9:40 – 10:00

Alahmadi, Raed Nayif: GAP ANALYSIS OF DATA FOR URBAN TRANSPORT PLANNING IN THE DEVELOPING COUNTRIES: COMPARATIVE STUDY OF UNITED KINGDOM (UK) AND THE KINGDOM OF SAUDI ARABIA (KSA)

10:00 – 10:20

Thai, Nguyen Van: A LOW-COST SMART TRAFFIC LIGHT CONTROL SYSTEM BASED ON INTERNET OF THINGS (IoT) AND IMAGE PROCESSING IN VIETNAM

10:20 – 10:40

Lacinak, Maros; Ristvej, Jozef; Janosikova, Michaela; Klco, Peter: SENSORS AND SIMULATIONS FOR TRANSPORT RESILIENCE

10:40 – 11:00

Sostaric, Marko; Jakovijevic, Marijan, Vidovic, Kresimir; Lale, Orsat: SUSTAINABLE URBAN MOBILITY BOOST SMART TOOLBOX UPGRADE

11:00 – 11:20

Kotorova Slusna, Lubica; Balog, Miroslav: IDENTIFICATION OF KEY ACTORS IN INDUSTRY 4.0 INFORMAL R AND D NETWORK

11:20 – 11:30

Coffee Break

Session 2 - Chair: Michala Santusová (Slovak University of Technology, Slovakia)

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| 11:30 – 11:50 | Martoglia, Riccardo; Savoia, Gabriele: TOWARDS MULTI-MODEL BIG DATA ROAD TRAFFIC FORECAST AT DIFFERENT TIME AGGREGATIONS AND FORECAST HORIZONS |
| 11:50 – 12:10 | Trembosová, Miroslava; Dubcova, Alena; Nagyova, Ludmila; Caganova, Dagmar; Konova, Terezia: SUBURBANIZATION PROCESS OF REGIONAL CITIES IN SLOVAKIA |
| 12:10 – 12:30 | Nguyen, Thai Van: DESIGN A LOW-COST IOT GATEWAY USING FOR THE SMART TRAFFIC LIGHT CONTROL SYSTEM IN VIETNAM |
| 12:30 – 12:50 | Kremenova, Iveta; Fabus, Juraj; Koncova, Dominika: DIGITAL CURRENCY AS AN OPTION PAYMENT FOR THE GOODS IN E-COMMERCE |
| 12:50 – 13:10 | Mosaddegh, Abdolreza; Lopes, Sergio; Rostami Habib; Keshavarz, Ahmad; Paiva, Sara: A HYBRID FRAMEWORK FOR VISUAL POSITIONING: COMBINING CONVOLUTIONAL NEURAL NETWORKS WITH ONTOLOGIES |
| 13:10 – 13:40 | Bakhovskyy, Petro; Tkachuk, Anatolii; Yevsiuk, Mykola; Zabolotnyi Oleg; Caganova, Dagmar: DEVELOPMENT AND INTERACTION OF THE VTF CONCEPT WITH IOT PLATFORMS ON THE EXAMPLE OF THE 5G STANDARD |
| 13:40 – 14:00 | Romanelli, Mauro: CITIES SHAPING THE SUSTAINABLE FUTURE WITHIN INTELLIGENT AND SMART CITIES |
| 14:00 – 14:15 | Gender Equality Plans at STUBA MTF and WIN Tech-H2020 “ Linking Research and Innovation for Gender Equality”, acronym CALIPER |
| 14:15 – 14:20 Closing Ceremony / Award of the Best Paper of Mobility IoT 2021: Prof. M.A. Dagmar Cagáňová, Ph.D. (Institute of Industrial Engineering and Management Faculty of Materials Science and Technology STU) | |
| 14:20 – 14:30 Coffee Break | |
| 14:30 Workshop: Industry 4.0 in the Human Capital Optic Online Session: Work Competencies in the Context of Industry 4.0 Development | |