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"Development of practically-oriented student-centred education in the field of modelling of Cyber-Physical Systems"

1st Training School for tutors Agenda (draft) v.03

September 7 – 8th 2021, Riga (Nicosia, Kiev) time zone

September 7th

13:30 pm to 2:00 pm	RTU, Anatolijs Zabašta. CybPhys progress, emerging events, the tasks by the end of 2021.
2:00 pm to 4:30 pm	RTU (Dean Prof Oskars Krievs, Dr Ansis Avotiņš, Dr Pēteris Apse-Apsītis, Dr Armands Šenfēlds, Dr Nadežda Kuņicina, Dr Ojars Krūmiņš) Laboratories of the Faculty of Electrical and Environmental Engineering (EVIF) <ul style="list-style-type: none">• EVIF introduction: achievements, projects, labs, how we arrange students training in Covid-19 environment.• Building Energy model for Management System efficiency increase. Case study of faculty building in Azenes 12/1 using LoRa sensors.• Remote laboratory, 420 off. Demonstration.• FP7 AREUS project results and further research. Large Robot.• Control methods for critical infrastructure and Internet of Things (IoT): Industrial Safety.

September 8th

9:00 am to 1:00 pm	RTU (Chair of Latvian Internet Association Dr. Ina Gudele, Prof. Nadežda Kuņicina) Bringing Innovations to the Market <ul style="list-style-type: none">• E-commerce• Bringing Innovations to the Market: Practical cases (case of Smart Spoon). Methods and practical application
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13:00 pm to 2:00 pm	Lunch break
2:00 pm to 4:30 pm	<p>RTU (Dr Nadežda Zeņina or Prof Andrejs Romanovs)</p> <p>Modelling of Intelligent Transport Systems: methods, examples, demonstration</p> <ul style="list-style-type: none"> • Transportation travel demand models <p>CPNU (To be defined), RTU (Dr Anatolijs Zabašta)</p> <p>CybPhys: Modelling Shared modelling and simulation environment platform</p> <ul style="list-style-type: none"> • Implementation progress. Risks. User requirements. The tasks for the partners.