



LAMBDA Summer School

Institute Mihajlo Pupin
Volgina 15, Belgrade, Serbia
June 15-16, 2021

ONLINE

Organizing Committee

[Valentina Janev, Institute Mihajlo Pupin](#)

[Diego Collarana, Fraunhofer IAIS](#)

[Jens Lehmann, University of Bonn](#)

[Emanuel Sallinger, University of Oxford](#)

Day 1 - Programme

Session 1: Tuesday, June 15, 10:15am-12:30pm		
10:00	Establishing connections (see instructions below)	
10:15	Welcome speech and Introducing the Programme	Chair: Valentina Janev, Institute Mihajlo Pupin, Serbia
10:30	Digital PLAtform and analytical TOOlS for eNErgy	Philippe Calvez, ENGIE, France
11:15	Break	
11:30	Scalable Reasoning in Knowledge Graphs: Theory, Practice and Use Cases of Modern Artificial Intelligence	Emanuel Sallinger, University of Oxford, UK; TU Wien, Austria
12:30	Lunch Break	
Session 2: Tuesday, June 15, 13:30pm-15:30pm		
13:30	Introducing the Programme	Chair: Diego Collarana, Fraunhofer IAIS, Germany
13:35	Financial Privacy with Knowledge Graphs	Luigi Bellomarini, Bank of Italy
13:55	IDS and GAIA-X: Sovereignty-preserving Data Exchange in Cloud Ecosystems	Sebastian Bader, Fraunhofer IAIS, Germany
14:25	Managing Knowledge in Energy Data Spaces	Valentina Janev; Maria-Esther Vidal Institute Mihajlo Pupin; German National Library of Science and Technology and L3S Research Center, Germany
14:50	INTERSTAT: a framework for Open Statistical Data interoperability	Martino Maggio, Engineering Ingegneria Informatica SPA, Italy
15:20	Break	
Session 3: Tuesday, June 15, 15:30pm-16:30pm		
15:30	Introducing the Programme	Chair: Milena Jovašević-Stojanović, Vinča Nuclear Research Institute, Serbia
15:35	High resolution Urban Air Quality Monitoring: Hierarchical IoT Architecture and Edge AI Pipeline for Citizen Science	Saverio De Vito, Agenzia Nazionale Nuove Tecnologie Energia e Ambiente, Italy
16:00	Probabilistic empirical modelling of air pollution	Juš Kocijan, Jožef Stefan Institute, Slovenia
16:25	Q & A	
16:30	End of the Programme	

Day 2 - Programme

Session 4: Wednesday, June 16, 9:30am-12:30pm

09:30	Establishing connections (see instructions below)	
09:45	Managing Knowledge in Energy Data Spaces – Serbian Pilot (Discussion)	Valentina Janev; Maria-Esther Vidal Institute Mihajlo Pupin; German National Library of Science and Technology and L3S Research Center, Germany
10:00	PLATOON Analytics Toolbox	Erik Maqueda Moro, Tecnalia, Spain
10:30	Edge computing in Energy Systems	Andrej Čampa, ComSensus, Slovenia
11:00	Break	
11:15	PLATOON Semantic Models	Sarra Ben Abbes, Lynda Temal, ENGIE, France
11:45	Semantic Data Lakes: Semantic-based Virtual Data Lakes for Data Science	Kemele Endris, Maria-Esther Vidal German National Library of Science and Technology and L3S Research Center, Germany
12:15	Lunch Break	

Session 5: Wednesday, June 16, 13:30pm-17:00pm

13:30	Introducing SINERGY	Chair: Nikola Tomašević, Institute Mihajlo Pupin, Serbia
13:50	Modern ICT/Automation Approaches for Smart Grids and Industrial Environments	Thomas Strasser, Austrian Institute of Technology
14:30	Reference architectures for Smart Grids	Friederich Kupzog, Austrian Institute of Technology
15:10	Break	
15:20	Temperature Sensing Optimization for Home Thermostat Retrofit	Federico Seri, National University of Ireland, Galway, Ireland
16:00	Reduced-Order Models as Web Application for Energy Management: Barriers and Challenge	Luis M. Blanes, National University of Ireland, Galway, Ireland
16:40	End of the Programme	

Connection details

Tuesday, June 15, 9:00am-17:00pm

Day 1

Big Data Analytics Summer School 2021 (15th of June)

Tue, Jun 15, 2021 9:00 AM - 5:00 PM (CEST)

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Tuesday, June 16, 9:00am-17:00pm

Day 2

Big Data Analytics Summer School 2021 (16th of June)

Wed, Jun 16, 2021 9:00 AM - 5:00 PM (CEST)

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