

Budva, Montenegro, 12-15 June 2025

SPECIAL SESSION SCHEDULE

*Submission **link** for listener and still contributions*

Arrivals – 11th of June

DAY I - 12th of June 2025.

In venue and online.

9:00–10:30 Guest Keynote Speech

- **Rajeev Kanth**, Savonia University of Applied Sciences, & University of Turku, Finland and Hebei University of Environmental Engineering, China: *Urban Traffic to Sensor's Data Visualization – Recent Research Results and Applications*

10:30–11:00 Break

11:00–13:00 Thematic lecture

- **Milan Prokin and Dragana Prokin**, University of Belgrade, Serbia, *Capturing Air Pollution from Electric Vehicles and its minimalization*

13:00 Lunch

14:00–16:30, ARCA Session on Artificial Intelligence and Climate Change Hazards, thematic contributions

- **Dusko Petrovic**, University of Montenegro and Digit Montenegro, **Radovan Stojanovic**, MECOnet, Montenegro, *Integration of the concepts of relay-based LPWAN network and Artificial Intelligence in the detection and prevention of wildfires, 116*
- **Ivana Palunko**, University of Dubrovnik, Croatia, *Ideas and technologies for fighting wild fires and other natural and man caused disasters*
- **Shahbaz Alvi**, CMCC - Centro Euro-Mediterraneo sui Cambiamenti Climatici, Lecce, Italy, *SILVANUS project and its outcomes related to ARCA outcomes*
- **Nikola Maletesta**, DHITech, Italy, *Multimodal deep learning architectures for LIDAR equipped drones*
- **Danilo Knezevic**, CAD Solutions, Serbia, *Introducing with role of CAD Solutions in ARCA Project*
- **Jovan Djurkovic**, *Simple and low cost sensor to gateway signal transmission for alerting systems*



DAY II – 13th of June 2025

9:30-10:30 Round table

- **Tools, Ethics & Real-World Implementations, Ethical Considerations in Climate AI (Bias, Equity, Data Privacy)** in venue, Moderator: *Matija Stojanovic, MECOnet, Montenegro*

10:30–11:00 Break

11:00–13:00, Cross border initiatives and projects in response to the climate changes in term of fighting disasters, in venue and on line:

- **Ivana Palunko**, University of Dubrovnik, Croatia. *Croatian projects, systems, initiatives and capabilities to combat wildfires, particularly in response to the increasing challenges posed by climate change.*

11:00–13:00, Cross border initiatives and projects in response to the climate changes in term of fighting disasters

- **Marko Simeunovic and Dejan Jokic**, MoDrone, Montenegro, Burch University, Bosnia and Herzegovina. *Design and implementation of the system for detection of landslides*

13:00–14:00 Lunch Break

14:00–17:00 Brain storming panel

- **Data, Tools & Case Studies in Climate AI, Open Datasets for Climate Research (NOAA, Copernicus, etc.), Tools & Platforms: Google Earth Engine, ClimateAI, TensorFlow, Group Activity: Analyzing a real dataset using AI tools**, In venue, moderator: *Radovan Stojanovic*

DAY III – 14th of June 2025.

Project progress

09:00–10:30 Discussion

- **UpToDate progress and achievements on ARCA project**, In venue, *all*

10:30–11.00 Break

11:00–13:00 Panel:

- **Applications in extreme weather and natural hazard forecasting section. AI Models for Predicting Floods, Cyclones, and Wildfires. Real-Time Monitoring Using Remote Sensing and AI. Hands-on: Building a Basic Weather Prediction Model (Python or Jupyter)**, In venue, Moderator: *Danilo Knezevic, CAD Solutions*

15:00 Q&A and Wrap-up Discussion

Departures – 15th of June 2025.



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1st ARCA Workshop is Satellite Event Assigned to MECO '2025/CPSIoT'2025/SS-CPSIoT'2025

For details on MECO events visit:

<https://mecoconference.me/programme/#logom>

Other info

info@mecoconference.me

+38267577057 (Conference phone - urgent issues)

Conference taxi:

<https://www.royaltaxi.me/>

+382 67 019 702

info@royaltaxi.me

42.28311848652398, 18.838384938890286 (Venue coordinates)



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