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Cognitive Mobility

IEEE CogMob 2023

18 - 19 October 2023

OFFLINE CONFERENCE
BOSCH CAMPUS 2, BUDAPEST, HUNGARY

Scope:

Cognitive Mobility (Cog Mob) investigates the entangled combination of the research areas such as mobility, transportation, vehicle engineering, social sciences, artificial intelligence, cognitive infocommunications. The key aim of Cog Mob is to provide a holistic view of how mobility in a broader aspect can be understood, described (modeled), and optimized as the blended combination of artificial and natural/ human cognitive systems. It considers the whole combination as one unseparable Cog Mob system and investigates what kind of new cognitive capabilities of this Cog Mob system are emerging. One of the Cog Mob focus areas, based on its nature, is the engineering applications in the mobility domain.

Contributions are expected from the following areas:

- Artificial cognitive capabilities in mobility
- AI, Maschine and deep learning in transport
- Human-Machine Interface
- Effect of Future of Internet to mobility
- Cognitive sciences in the digital world
- Embodied and enactive cognitive systems effect on mobility
- Cognitive networks and their intelligent capabilities
- Human Interfaces: bio, cognitive, digital and wearable interfaces - augmented reality in transport
- Intelligent Vehicle and Transportation Systems
- Smart city
- Digital transformation environment for education, CogInfoCom based learnability for transport
- Digital Reality in Human development a new area of effective teaching in transport

Authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and developments. All papers will be reviewed and accepted papers will appear in the conference proceedings. Papers must be submitted electronically via EasyChair in IEEE format (double column A/4, 4-6 pages long).

Authors' Schedule First submission: 15.06.2023
Notification of acceptance: 15.07.2023
Final submission: 15.08.2023

Track and Session Organizers:

Those who would like to propose a track or session (a set of oral or DEMO presentations) in order to introduce the new scientific results of their fields or large-scale international projects are warmly welcome. Please kindly note that the minimum number of sessions is 3 per track and 1 session is of 4 publications.