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Cognitive Mobility

IEEE CogMob 2024

7-8 October 2024

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, and 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:

- General
- Cognitive connected vehicles
- Safety and security o fITS-related cognitive systems
- Cognitive aspects of orientation and navigation
- Advanced electric vehicles
- Augmented conventional vehicle drives
- AI, Maschine- and deep learning in transport
- Cognitive synergies of mobility and agriculture
- Sustainable and cognitive transport systems
- Smart infrastructure
- Mobility in precision agriculture

Authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and developments.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: 15.06.2024
Notification of acceptance: 30.06.2024
Final submission: 30.07.2024

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.