



INTERNATIONAL FEDERATION
OF AUTOMATIC CONTROL

11TH IFAC SYMPOSIUM ON INTELLIGENT
AUTONOMOUS VEHICLES, IAV 2022

IAV2022

JULY 6-8, 2022

PRAGUE, CZECH REPUBLIC



www.iav2022.eu





IAV 2022

CALL FOR PAPERS

The Symposium targets topics in the field of intelligent autonomous vehicles (IAV). It presents methods and representative techniques to either solve typical problems or to document successful test cases and applications. The addressed modality of the vehicles may range from land, sea and air to space and they may be designed as multi vehicle systems in swarms or networked platoons as well as individual carriers.

SCOPE

Key topics will include (but not be limited to):

- Architectures for intelligent autonomous systems (land, marine, aerial and space vehicles)
- Smart sensors, sensor networks, sensor integration and perception for autonomous vehicles and robots
- Localization, map building and SLAM
- Navigation, guidance and control, motion control, controller design, stability analysis
- Fault detection and diagnosis in intelligent autonomous systems
- Decision making for autonomous driving in a real-time
- Planning and mission control
- Multiple vehicle systems, networks of autonomous vehicles and intelligent transportation systems
- Human-Vehicle interaction
- Medical robots, domestic robots, service and rehabilitation robots
- Applications of Autonomous Intelligent Vehicles: case studies, test evaluations.

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PAPER SUBMISSION AND REVIEW

Authors are invited to submit original contributions in English language. Papers must be submitted through **PaperPlaza** conference submission system. Accepted papers must not exceed 6 two-column pages in standard IFAC conference format.

IMPORTANT DATES

FEBRUARY 6, 2022

DRAFT PAPER SUBMISSION DEADLINE

APRIL 1, 2022

PAPER ACCEPTANCE NOTIFICATION

MAY 22, 2022

FINAL PAPER SUBMISSION

JULY 6-8, 2022

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