

# Call For Papers

**Special Session:** Driverless Technology Enables Smart Mine

**Conference:** The 2022 International Conference on Cyber-physical Social Intelligence (ICCSI)

**Date:** October 21-24, 2022

**Meeting mode:** Hybrid

**Location:** Nanjing, China

**Web site:** <https://iccsi2022.agist.org>

With the continuous development of driverless technology and the gradual implementation of China smart mine strategic deployment, the mine is especially suitable for the landing of driverless technology because of its closed scene, controllable road network, and easy deployment of 5G and other modern facilities, therefore to solve the urgent problems of low efficiency and high risk of traditional transportation in mines.

Driverless technology is applied to the transportation of mining minerals and wastes. This technology needs to adapt to the complex driving characteristics of mining special vehicles, the complex characteristics of unstructured roads in the mining area, the requirements of multi-vehicle cooperative operation, and the complex weather in the mining area, which poses new challenges to the landing of driverless technology in smart mines.

Inspired by that, we host a special session to bring together the research accomplishments provided by researchers from academia and the industry. The other goal is to show the latest research results in the topic of how to transfer driverless technology to the scene of mine driverless transportation. We encourage prospective authors to submit related distinguished research papers on the subject of both: theoretical approaches and practical case reviews.

***Interested topics include (but not limited to):***

- Intelligent scheduling
- Target recognition, detection and tracking
- Mapping and path planning
- Behavior decision and vehicle control
- Driveable area detection

**Important Dates:**

May 15, 2022,	Full paper submission
July 1, 2022,	Acceptance/Rejection notification
August 31, 2022,	Final camera-ready papers due

**Special Session Co-chairs:**

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*All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above*