



主办单位：中国自动化学会车辆控制与智能化专业委员会、湖南大学
协办单位：美国电子电气工程师——系统、人与控制论学会、湖南工程学院、
机器人视觉感知与控制技术国家工程研究中心、《中国公路学报》编辑部

征文通知

2023中国车辆控制与智能化大会



10.27-29, 2023
湖南大学，长沙

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会议通知

2023中国车辆控制与智能化大会（CVC2023）暨第七届中国自动化学会车辆控制与智能化专委会学术年会，将于2023年10月27日-29日在湖南长沙举行。

承办单位

湖南大学坐落于中国历史文化名城长沙，前临碧波荡漾的湘江，后倚秀如琢玉的岳麓山，素有“千年学府、百年名校”之称。学校办学起源于公元976年创办的岳麓书院，1903年改制为湖南高等学堂，1926年正式定名湖南大学。改革开放以来，学校先后进入全国重点大学、“211工程”、“985工程”和“世界一流大学”建设高校行列。学校拥有本科专业78个，硕士学位授权一级学科37个、博士学位授权一级学科30个、博士后科研流动站28个。国家重点学科一级学科2个、国家重点学科二级学科14个。7个学科入选国防特色学科，化学、机械工程、电气工程学科进入“世界一流学科”建设行列。

征文主题

会议征文范围包括（但不限于）：

- 汽车智能化、自动驾驶控制
- 汽车网联化、人车路协同控制
- 车辆动力学与控制
- 发动机控制、动力总成控制
- 汽车电动化、电池、电机、电控
- 纯电动汽车、混合动力汽车、燃料电池汽车
- 铁路列车控制
- UAV/USV/UUV控制

征文要求

会议征文包括全文、大摘要（Position Paper）两种形式，全文投稿4-6页，大摘要（不正式出版，不涉及版权问题）投稿2页。会议将出版论文集（U盘版），接收中英文投稿。在符合IEEE Xplore的范围和质量要求的前提下，被录用的英文全文论文将被提交到IEEE Xplore，并推荐EI检索*。会议将评选最佳论文和郭孔辉青年论文（GuoKonghui Paper，第一作者投稿时不大于35岁），具体说明详见会议网站。部分优秀论文将被推荐到国内外权威期刊专刊发表，如《吉林大学学报工学版》（EI检索）、《中国公路学报》（EI检索）、《Chinese Journal of Mechanical Engineering》（SCI检索）、《控制与决策》（EI检索）、《Automotive Innovation》（EI检索）、《International Journal of Powertrains》（EI检索）等。

*说明：大会不能确保所有录用的英文全文一定被EI检索。

重要日期

2023.07.01：会议论文全文/摘要提交截止
2023.08.01：会议论文录用通知
2023.09.01：录用论文终稿提交截止

智能电动汽车节能算法挑战

本届会议同期举办智能电动汽车节能算法挑战（Benchmark Challenge），会务组提供交通场景模型和车辆模型，参与选手制定节能优化算法参加节能算法挑战，细节详见会议网站。

会议网站

会议最新消息、论文投稿、节能算法挑战和其它信息，请访问会议网站：

<http://www.ascl.jlu.edu.cn/vci/cvci2023.htm>



Sponsored by the Technical Committee on Vehicle Control and Intelligence, Chinese Association of Automation, and Hunan University, and technically co-sponsored by IEEE Systems, Man and Cybernetics Society, Hunan Institute of Engineering, National Engineering Research Center of Robot Visual Perception & Control Technology, China Journal of Highway and Transport.

CALL FOR PAPERS

The 7th CAA International Conference on Vehicular Control and Intelligence (CVCi 2023)



October 27-29, 2023

Changsha, China
Hunan University

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Notification

The 7th CAA International Conference on Vehicular Control and Intelligence (CVCi2023) will be held in Changsha from Oct. 27th to 29th.

Organizator

Hunan University (HNU) is situated in Changsha, a renowned historical and cultural city. It is adjacent to the rippling Xiangjiang River on its front and picturesque Yuelu Mountain at its back. It is reputed as an "Ancient Millenarian Academy and Famous Centennial University". Originated from Yuelu Academy, founded in 976 AD., HNU was reconstructed into the Hunan Institute of Higher Learning in 1903; renamed Hunan University in 1926. Since the launch of reform and opening up, HNU has been designated as a state key university and listed under the "Project 211" "Project 985" and "Project Double First-Class". HNU offers 78 undergraduate programs, 37 first-level disciplines authorized to confer master's degrees, 30 first-level disciplines to confer doctorates, 28 post-doctoral research mobile stations, 2 first-level disciplines of national key disciplines, and 14 second-level disciplines of national key disciplines. 7 disciplines were selected as national defense characteristic disciplines. Chemistry, mechanical engineering, and electric engineering are listed as "world-class disciplines" of the Ministry of Education.

Topics of interest

Topics include but are not limited to:

- Automobile intelligence, automatic driving control
- Automobile networking, Driver-vehicle-road coordinated control
- Vehicle dynamics and control
- Control and calibration of engines and powertrains
- Automotive electrification, batteries, motors, electronic control
- Pure electric vehicles, hybrid electric vehicles, fuel cell vehicles
- Railway train control
- UAV/USV/UUV control

Paper Submission

CVCi 2023 invites full papers and position papers that describe original and yet unpublished work. All full papers must be 4-6 pages and all position papers must be 2 pages. The conference will publish a collection of papers (U disk version), and both Chinese and English submissions are acceptable. Accepted full papers in English will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. (And IEEE will submit, but not guarantee, papers for indexing in Ei Compendex.) The conference will select the Best Paper and the GuoKonghui Paper (the first author should not be older than 35 years old when submitting the manuscript), please refer to the conference website. Some outstanding papers will be recommended for publication in authoritative journals such as Journal of Jilin University (EI), China Journal of Highway and Transport (EI), Chinese Journal of Mechanical Engineering (SCI), Control and Decision (EI), Automotive Innovation (EI), International Journal of Powertrains (EI).

Important Dates

Jul. 1, 2023: Submission deadline
Aug. 1, 2023: Notification of acceptance
Sep. 1, 2023: Final camera-ready papers due

The 2023 Benchmark Challenge for Energy Optimal Control of Connected EVs

The 2023 Benchmark Challenge for Energy Optimal Control of Connected EVs will be held during the period of conference. The benchmark organizer will provide traffic scene models and electric vehicle models. Participants will provide energy optimization algorithms to participate in the competition. For more details, please see the conference website.

Conference Website

For latest information, paper submission, Inc. benchmark for energy optimal control of connected EVs, and additional information please visit:

<http://www.ascl.jlu.edu.cn/vci/cvci2023.htm>