

## Call for Papers

### *Automotive Innovation* Special Issue on Fuel Cells

As electric vehicles and green vehicles lead the trend of automotive research, fuel cell vehicles, with the advantages of zero emission, long endurance mileage and short charging time, stand in a crucial position in the global automotive industry. H2 Council predicts that the number of fuel cell passenger vehicles, trucks and buses worldwide will account for at least 25% of all types of vehicles in 2050. At present, there are many issues to be resolved to achieve the maximum potential of green vehicles, especially the key technologies such as fuel cell system, vehicle integration and hydrogen energy, revolving which researchers and engineers worldwide are working hard.

*Automotive Innovation*, as an international journal exploring and keeping track of global automotive innovation, is organizing a special issue on fuel cell. This special issue aims to provide a platform for researchers and engineers from academia and industry to present state-of-the-art and original contributions involving experimental and numerical studies, recent developments, and novel and emerging technologies in this field. We are soliciting original high-quality research papers on specific topics that include, but are not limited to, the following:

#### Topics

1. Non & low-platinum catalysts / other novel catalysts for fuel cells
2. Novel technologies and materials for membranes, MEA, bipolar plates, fuel cell stacks and fuel cell systems
3. Mechanisms of fuel cell power systems, including life cycle analysis and degradation mechanisms
4. Novel technologies regarding hydrogen production, hydrogen storage and hydrogen transportation
5. Fuel cell engine system integration and control technologies
6. Energy and thermal management of fuel cell engine system
7. Integration and control system of fuel cell powertrain in vehicles

#### Guest Editors

- ♦ Prof. Cunman Zhang, School of Automotive Studies, Tongji University
- ♦ Prof. Shangfeng Du, School of Chemical Engineering, University of Birmingham
- ♦ Prof. Shuhui Sun, Center for Energy, Materials and Telecommunications, Institute National de la Recherche Scientifique (INRS)
- ♦ Prof. Hao Tang, School of Automation Engineering, University of Electronic Science and Technology of China
- ♦ Prof. Junliang Zhang, School of Mechanical Engineering, Shanghai Jiaotong University

#### Important Dates

- ♦ **2020.09.20:** Deadline for Initial Paper Submission
- ♦ **2020.10.30:** Notification of First Round Decision
- ♦ **2020.11.20:** Deadline for Revised Paper Submission
- ♦ **2020.12.30:** Final Acceptance Decision

#### Submission Guidelines

1. Please submit online via [www.springer.com/42154](http://www.springer.com/42154), be sure to select Topical Collection: Fuel Cell.
2. Please read the instructions for authors online and typeset accordingly.
3. All manuscripts will be peer reviewed and evaluated based on quality, originality, novelty, and relevance to the topics.
4. If any problems, please feel free to contact the journal editorial office via email: [jai-editor@sae-china.org](mailto:jai-editor@sae-china.org).

## About Automotive Innovation

Sponsored by China SAE and published globally via Springer Nature, *Automotive Innovation* aims to be a world-class journal that provides abundant sources of innovative findings for automotive engineers and scientists. The journal is published quarterly, ensuring high-quality papers satisfying international standards. With the editorial board consisting of world-renowned experts, it has attracted readers from 72 countries and regions. The highest download of a single article wins more than 8,000.

The journal is dedicated to the publication of peer-reviewed original papers and covers the principles, methodologies, designs, theoretical background and cutting-edge technologies in connection with the development of vehicle and mobility. The main topics include but are not limited to: energy-saving, electrification, intelligent and connected, safety and lightweight technologies.

### Published Special Issue:

#### Special Issue on HMI and Autonomous Driving

**Guest Editor:** Prof. Fang Chen, Chalmers University of Technology.

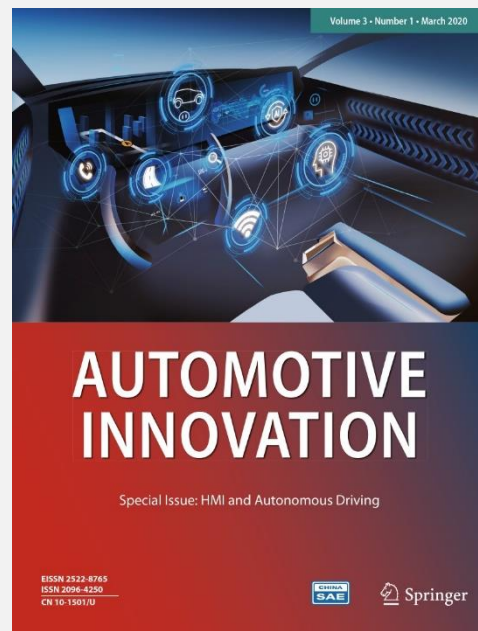
**Published in:** Issue 1, Volume 3 (March, 2020)

In this issue, topics including the influence of drivers' personality on trust in Level 2 autonomous driving system, handover and non-emergency takeover in Level 3 autonomous driving, and safe and stable platoon formation are discussed. These papers are contributed by renowned scholars such as Prof. Zaifeng Gao from Zhejiang University, Dr. Neville A. Stanton from University of Southampton and Dr. Jacques Terken from Technische Universiteit Eindhoven.

For more information about this special issue, please click [here](#).

### Advantages of Submission

- An international journal distributed worldwide
- Reflecting the top-level research and technical advance
- Opportunity to demonstrate, publicize and exchange innovative technology
- Publishing articles free of charge



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## Welcome your submissions !

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