

Call for Papers

Automotive Innovation Special Issue for “Automotive Lightweight”

Automotive lightweight is one of the core technologies to realize energy saving and emission reduction and to improve the safety and operating performance. Lightweight materials such as advanced high strength steels(AHSS), Al and Mg alloys, carbon fiber reinforced polymers (CFRP) have been applied to the vehicles increasingly, and novel design concepts and manufacturing processes have been developed. It will be more important as new energy vehicles have more urgent requirements.

In this special issue, we aim to bring together original articles with significant contributions in the automotive lightweight field, which reflects the latest advances in developing and understanding lightweight materials, design of automotive lightweight structures and their manufacturing processes.

Topics:

- (1) Mechanical behavior and microstructural evolution of automotive lightweight materials
- (2) Novel design and numerical analysis of automotive lightweight structures
- (3) Forming and joining processes of automotive lightweight materials
- (4) Energy & Resource efficiency, CO₂-footprint and recyclability of multi-material systems

Guest Editors-in-Chief:

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Important Dates:

Submission deadline: 29 February, 2020

Expected publication date: 31 August, 2020

Submission Guidelines:

- (1) Please submit your papers through the online system (www.springer.com/42154) and be sure to select Special issue: Automotive Lightweight.
- (2) Please read the instructions for authors of the journal online carefully.
- (3) Please download the manuscript template online.
- (4) All articles will be peer reviewed and evaluated based on quality, originality, novelty, and relevance to the topics.

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About Automotive Innovation

Automotive Innovation is an international, academic and peer-reviewed journal, aiming to provide an exchange platform of innovative engineering and scientific achievements for engineers and applied scientists in automotive and mobility engineering, and focusing on automotive innovative technologies and theories. Topics range from energy-saving technology to intelligent and connected vehicles. It is the first English academic journal in China's automotive industry, sponsored by China SAE and published via Springer Publishing Company. The electronic and print versions have been released simultaneously worldwide since 2018. ISSN is 2096-4250 and EISSN is 2522-8765.

Since the international journal of *Automotive Innovation* founded, world-renowned automotive experts have been invited to join the Editorial Board. Outstanding quality of published papers have been ensured to meet high standards of SCI level. *Automotive Innovation* is published quarterly with readers from 72 countries and regions worldwide. The journal has been recognized by FISITA, SAE International, automotive and mechanical organizations and institutes.

Advantages of the Submission:

- (1) Distribution worldwide
- (2) Reflecting the top-level research and technical advance
- (3) An academic platform for demonstrating, promoting and exchanging innovative technologies
- (4) No page charges

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We welcome your submissions!