



Research on Internet of Vehicles: Applications, Architectures, Enabling Technologies, Challenges and Opportunities

Guest Editors:

Dr. Xuan-Qui Pham

College of Computing and Data
Science, Nanyang Technological
University, Singapore, Singapore

Dr. Thien Huynh-The

ICT Convergence Research
Center, Department of IT
Convergence, Kumoh National
Institute of Technology, Gumi,
Gyeongsangbuk-do 39177,
Republic of Korea

Dr. Tra Huong Thi Le

Department of Computer Science
and Engineering, Kyung Hee
University, Yongin-si 17104,
Republic of Korea

Message from the Guest Editors

This Special Issue welcomes contributions dealing with various technical aspects of IoV, including architectures, enabling technologies, and advanced applications, as well as other relevant topics in the field. Potential topics of interest include, but are not limited to, the following:

- IoV architectures and protocols;
- Cloud/edge computing for IoV;
- Computation offloading and resource management for IoV;
- Advanced communication technologies for IoV;
- Autonomous driving assisted by edge computing-enabled IoV;
- AI/ML algorithms for IoV;
- Blockchain-based IoV;
- Digital twin designs for IoV;
- Advanced IoV applications;
- Test-bed and simulation tools for IoV.

Deadline for manuscript
submissions:

closed (31 October 2024)





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), [Ei Compendex](#) and [other databases](#).

Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](#)