

## Special Issue

# Automotive Low Power Technologies

### Message from the Guest Editor

Electronic control units (ECUs) in the automotive domain are systems, which need to fulfil several requirements like real-time, safety and security and reliability. ECUs can only be deployed in cars, if they fulfil all these requirements and are certified. Current trends in the automotive domain, where advanced driver assistant systems lead in the future even to fully autonomous driving, are increasing the complexity to fulfil all the system requirements. Novel hardware architectures like multicore and many core architectures, novel design tools for designing these architectures but also to program them, novel algorithms exploiting machine learning require new concepts in automotive low power electronics. This special issue is dedicated to these new trends and how low power electronics can support them. This includes low power hardware for inter- and intra communication, providing high-speed data transfer in the car and also in car2X scenarios.

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### Guest Editor

Prof. Dr. Michael Hübner  
Embedded Systems for Information Technology (ESIT), Ruhr University of Bochum, Bochum, Germany

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### Deadline for manuscript submissions

closed (15 November 2018)



## Journal of Low Power Electronics and Applications

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Impact Factor 1.8  
CiteScore 4.3



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Electronics and Applications*  
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[mdpi.com/journal/](https://mdpi.com/journal/)

[jlpea](https://doi.org/10.3390/jlpea)





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## About the Journal

### Message from the Editor-in-Chief

*Journal of Low Power Electronics and Applications* is an open access journal which provides an advanced forum for rapid dissemination of innovative research and important results in all aspects of low power electronics and design.

It publishes reviews, regular research papers and short communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. The full experimental details must be provided so that the results can be reproduced.

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### Editor-in-Chief

Dr. Davide Bertozzi

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