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Communication Technologies for Vehicles

15th International Workshop
Nets4Cars/Nets4Trains/Nets4Aircraft 2020
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Proceedings

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Preface

The Communication Technologies for Vehicles Workshop series provides an international forum on the latest technologies and research in the field of intra- and inter-vehicles communications. This workshop is organized annually to present original research results in areas related to the physical layer, communication protocols and standards, mobility and traffic models, experimental and field operational testing, and performance analysis.

First launched by Tsutomu Tsuboi, Alexey Vinel, and Frei Liu in Saint Petersburg, Russia (2009), the workshop has been held in Newcastle upon Tyne, UK (2010), Oberpfaffenhofen, Germany (2011), Vilnius, Lithuania (2012), Villeneuve-d'Ascq, France (2013), Offenburg, Germany (2014 Spring), Saint Petersburg, Russia (2014 Fall), Sousse, Tunisia (2015), San Sebastiàn, Spain (2016), Toulouse, France (2017), Madrid, Spain (2018), and Colmar, France (2019). These proceedings gather the papers presented at the 15th edition of the workshop, which took place in Bordeaux, France, in November 2020. The workshop was supported by the University of Bordeaux, the Gustave Eiffel University, and the Informatics Research Bordeaux Laboratory (LaBRI), France.

The call for papers resulted in 22 submissions. Each of them was assigned to the Technical Program Committee members and 18 submissions were accepted for publication. Each paper had three reviewers. The order of the papers in these proceedings corresponds to the workshop program.

This year the keynote speakers were:

- Léo Mendiboure, "The Blockchain: a decentralized solution for security and privacy protection in vehicular networks," University of Bordeaux, France
- Divitha Seetharamdoo, "Integration of Antennas for communication systems in complex platforms," Gustave Eiffel University, France
- Grégoire Danoy, "UAV swarms: From theoretical mobility models to proof of concept," University of Luxembourg, Luxembourg

We extend a sincere thank you to all the authors who submitted the results of their recent works and to all the members of the Technical Program Committee.

November 2020

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