

2018 15th Workshop on Positioning, Navigation and Communications (WPNC 2018)

**Bremen, Germany
25-26 October 2018**



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Day 1 - 25th of October 2018
IRC Conference Room – Jacobs University Bremen

08:00 – 14:00

Registration

Located inside the conference room and operational continuously from 8:00 to 14:00.

08:30 – 08:40

Welcome and Opening Message

Giuseppe Abreu, Jacobs University Bremen
 Sven Zeisberg, Dresden University of Applied Sciences
 Jérôme Härri, Eurecom
 Benoît Denis, CEA-Leti

KEYNOTE

Invited Keynote Talk

08:40 – 09:30

Machines Talk Freely: Graph-based Designs for Distributed Wireless Communications

Prof. Koji Ishibashi, The University of Electro-Communications, Japan

09:30 – 09:40

Morning Coffee Break (10 mins)

Coffee, tea and other drinks served along with fruits, cookies and more.

SESSION 1

Vehicular Localization

09:40 – 09:58

S1P1: Low-Cost Car Park Localization Using RSSI in Supervised LoRa Mesh Networks 1

Petr Gotthard, Konica Minolta;
 Tomáš Jankech, Konica Minolta

09:58 – 10:16

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Victor Ho, TASS International B.V.;
 Komal Rauf, TASS International B.V.;
 Igor Passchier, TASS International B.V.;
 Frank Rijks, TASS International B.V.;
 Tom Witsenboer, TASS International B.V.

10:16 – 10:34

S1P3: Cooperative Localization in VANETs: An Experimental Proof-of-Concept Combining GPS, IR-UWB Ranging and V2V Communications 13

Gia Minh Hoang, EURECOM and CEA-Leti;
 Benoît Denis, CEA-Leti;
 Jérôme Härri, EURECOM;
 Dirk Slock, EURECOM

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Paul Schwarzbach, Technische Universität Dresden;
 Benjamin Reichelt, Technische Universität Dresden;
 Oliver Michler, Technische Universität Dresden;
 Patrick Richter, Hochschule für Technik und Wirtschaft Dresden;
 Toralf Trautmann, Hochschule für Technik und Wirtschaft Dresden

10:52 – 11:10

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Sven Eckelmann, Hochschule für Technik und Wirtschaft Dresden;
 Martin Frommel, Hochschule für Technik und Wirtschaft Dresden;
 Christoph Haut, Preh Car Connect;
 Toralf Trautmann, Hochschule für Technik und Wirtschaft Dresden



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Florian Wolf, CEA-Leti and Université de Limoges;
Jean-Baptiste Doré, CEA-Leti;
Xavier Popon, CEA-Leti;
Sébastien de Rivaz, CEA-Leti;
François Dehmas, CEA-Leti;
Jean-Pierre Cances, Université de Limoges

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Toyoki Hoshikawa, Hokkaido University;
Toshihiko Nishimura, Hokkaido University;
Takeo Ohgane, Hokkaido University;
Yasutaka Ogawa, Hokkaido University;
Junichiro Hagiwara, Hokkaido University

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Nhat Pham, University of Saskatchewan;
Ha Nguyen, University of Saskatchewan;
Robert Barton, Cisco Systems Inc.;
Jerome Henry, Cisco Systems Inc.

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Alexandru Crisan, Politehnica University of Bucharest;
Alexandru Martian, Politehnica University of Bucharest;
Daniela Coltuc, Politehnica University of Bucharest

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Igor Dotlic, Decawave Ltd.;
Andrew Connell, Decawave Ltd.;
Michael McLaughlin, Decawave Ltd.

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Lunch at one of the serveries at Jacobs Campus (voucher included with registration)

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Hiroki Imori, Ritsumeikan University;
Giuseppe Abreu, Jacobs University Bremen;
George Alexandropoulos, Huawei Technologies

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Masaru Oinaga, The University of Electro-Communications;
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Koji Ishibashi, The University of Electro-Communications



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Koji Ishibashi, The University of Electro-Communications

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Karthik Krishnegowda, Brandenburg University of Technology;
Pedro Rodríguez-Vázquez, Bergische Universität Wuppertal;
Andreas C. Wolf, Dr. Wolf Wireless GmbH;
Janusz Grzyb, Bergische Universität Wuppertal;
Ullrich R. Pfeiffer, Bergische Universität Wuppertal;
Rolf Kraemer, Brandenburg University of Technology

15:18 – 15:40 Afternoon Coffee Break (22 mins)

Coffee, tea and other drinks served along with fruits, cookies and more.

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Lorenz Gorse, Friedrich-Alexander University Erlangen-Nürnberg;
Christoffer Löffler, Fraunhofer Institute for Integrated Circuits IIS;
Christopher Mutschler, Fraunhofer Institute for Integrated Circuits IIS;
Michael Philippsen, Friedrich-Alexander University Erlangen-Nürnberg

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Deborah Levy, University of Haifa;
Tali Treibitz, University of Haifa;
Morel Groper, University of Haifa

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 Mohamed Saad, King Abdullah University of Science and Technology;
 Tareq Y. Al-Naffouri, King Abdullah University of Science and Technology

SPECIAL SESSION 1 Interaction with Industry

17:10 – 18:00

FD Tech GmbH Autonomous Driving

Preh Car GmbH V2X Communications

Konica Minolta LoRa Networked Car Park Localization

Wiosense GmbH Wireless Security

SPECIAL SESSION 2 Beer Session and Awards Announcements

18:00 – 19:30

Take advantage of the opportunity to discuss further with exhibitors as well as colleagues while enjoying **free beer** and snacks!



Day 2 - 26th of October 2018
IRC Conference Room – Jacobs University Bremen

08:30 – 10:50

Registration

Located inside the conference room and operational continuously from 8:30 to 10:50.

08:50 – 09:00

Morning Message and Housekeeping Information

Giuseppe Abreu, Jacobs University Bremen

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 Yoshihisa Kishiyama, NTT DOCOMO Research Laboratories

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 Simon Adler, Fraunhofer Institut für Fabrikbetrieb und -automatisierung IFF Magdeburg;
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 Christian Hansen, Otto-von-Guericke-University Magdeburg

10:30 – 10:50

Morning Coffee Break (10 mins)

Coffee, tea and other drinks served along with fruits, cookies and more.

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Philipp Eschlwech, Technical University of Munich;
 Erwin Biebl, Technical University of Munich



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12:40 – 13:30	Lunch Break Lunch at one of the serveries at Jacobs Campus (voucher included with registration)