Overview

Date of the conference: August 27th / 28th, 2014

Venue and conference hotel
Schlosshotel Hugenpoet
August-Thyssen-Straße 51
45219 Essen-Kettwig, Germany
Phone +49 (0) 2054 - 12040
Fax +49 (0) 2054 - 120450
e-mail info@hugenpoet.de
www.hugenpoet.de

To be a guest in a castle will always be an unparalleled experience, and being a guest at Schlosshotel Hugenpoet is no exception. The owners delight in sharing the unique atmosphere of the castle with their guests. Whether your visit is alone or as a couple, for a conference or a delicious meal with business associates, or simply for a peaceful weekend away, Schlosshotel Hugenpoet will be sure to provide you with an unforgettable setting.

Oral presentations
Papers will be presented in room “Festsaal”.

Exhibition
The exhibition will take place in room "Kaminzimmer".

The conference dinner will be in the evening of August 27th, 2014.

Registration Fees
Early registration (before June 2nd, 2014) 360 EURO
Late registration (after June 2nd, 2014) 400 EURO
Banquet fee for accompanying persons 100 EURO

The registration fee covers admission to all technical sessions, conference materials, CD and proceedings publication, two days’ lunches, banquet, daily coffee breaks, bus transfers to the conference hotels and to main station Essen, and Düsseldorf International Airport at the end of the conference.

Registration

Please register using the online registration form on the conference homepage ofdm.nts.uni-due.de by July 30th, 2014 at the latest.

Cancellation
Registrations (except those related to an accepted paper) can be cancelled in written form without charge until July 30th, 2014. No re-imbursement of fee is possible in case of later cancellation.

In case a registered participant is indisposed, it is possible to appoint a deputy. Please be so kind to give us the person’s name well in advance.

Conference organisation
Universität Duisburg-Essen
Chair of Communication Systems, NTS
Prof. Dr. Andreas Czylik
Mrs. Arife Deutl
Bismarckstrasse 81
47057 Duisburg / Germany
Phone +49 (0) 203 379 3364
Fax +49 (0) 203 379 2902
e-mail ofdm@uni-due.de

The conference is supported by

Agilent Technologies
ROHDE & SCHWARZ
ITG
VDE
IEEE
Germany Chapter
Wednesday, August 27th, 2014

08:00 Registration

09:00 Welcome
Andreas Czylwik
Univ. Duisburg-Essen

Session 1 09:10 - 10:30
Increasing the bandwidth efficiency of OFDM-N/MFSK
Eva Peiker
University of Ulm

Receiver design for GEO satellite systems using MIMO and time-frequency packing
Thomas Delamotte
University of Bundeswehr München

Performance comparison of MRC in cyclic prefix OFDM and OQAM OFDM
Niklas Schulz
Univ. Duisburg-Essen

Orthogonal frequency division multiplexing for spectrally efficient Nyquist WDM systems
Israa Slim
TU München

10:30 Coffee break

Session 2 11:00 - 12:20
Efficient supporting methods for adaptive pilot-aided channel estimation in OFDM systems
Christian Rohde
Fraunhofer Institute Erlangen

Low complexity iterative channel estimation for the L-band digital aeronautical communication system 1 based on OFDM
Martin Hirschbeck
University of Erlangen

Investigation on Gaussian waveforms to improve robustness in physical layer network coding
Stephan Schiedler
University of Rostock

Robust multi-carrier frame synchronization for localization systems with ultrasound
Alexander Ena
University of Freiburg

12:20 Business lunch

Wednesday, August 27th, 2014

09:10 - 10:30 Poster session

A simplified RF model to investigate impacts of RF impairments on OFDM
Yuan Gao
Univ. Duisburg-Essen

Fair comparison and evaluation of quantization schemes for PHY-based key generation
René Guillaume
Robert Bosch, Stuttgart

Influence of imperfect reciprocity on MAP-based automatic modulation classification for adaptive OFDM systems in TDD mode
Lars Häring
Univ. Duisburg-Essen

Modulation classification for adaptive mobile OFDM systems
Christopher Husmann
Fraunhofer Institute, Munich

Demonstrator for real-time OFDM transmission with bit loading in TDD systems
Christian Kisters
Univ. Duisburg-Essen

Combining virtual noise and seamless rate adaptation for user-specific requirements on quality of service in xDSL systems
Wagih Sarhan
TU Darmstadt

Lattice filter-based FD equalizer with multiple frequency offset compensation for MIMO SDMA OFDM systems
Markus Schlamm
University Münster

UL-DL transformation of the channel transfer function for OFDM systems
Behailu Shikur
University of Rostock

10:30 Coffee break

Session 5 11:00 - 12:20
OFDM vs. single-carrier modulation: A new view on the PAR behavior
Sebastian Stern
University of Ulm

PAPR reduction in OFDM using SLM with adaptive clipping at the transmitter, and sparse reconstruction at the receiver
Matthias Gay
University Mittweida

Effect of time-interleaved analog-to-digital converter mismatches on OFDM performance
Voitungdung Huynh
University of Ghent

Physical layer performance analysis of PLC applied for cell-wise monitoring of automotive Lithium-Ion batteries
IChrif Quannes
Robert Bosch, Stuttgart

12:20 Workshop summary
12:30 Business lunch

Thursday, August 28th, 2014

09:10 - 10:30 Poster session

The benefit of cooperation in the context of massive MIMO
Stefan Dierks
TU München

Distributed transmission framework against quasi-static channel impairments for downlink multicell MIMO-OFDM with IA
Yazhou Zhu
Univ. Duisburg-Essen

Interference alignment for OFDM cognitive radio networks in TV white space spectrum
Mohammed El-Abi
Univ. Duisburg-Essen

Exploiting periodical peaks of auto-correlation of pilot-added OFDM signals for enhanced spectrum sensing algorithms
Trung Nguyen
Univ. Duisburg-Essen

15:10 Coffee break

Session 4 15:40 - 17:00
Efficient resource allocation for MIMO-OFDM cognitive networks with adaptive precoding
Abdullah Yaqot
University of Kiel

Energy efficiency analysis of dense picocell deployments
Nasr Obaid
Univ. Duisburg-Essen

On the uplink detection performance in MU-MIMO broadband systems with a large number of BS antennas
Torres Paulo
Technical University of Lisbon

Clipping and filtering employing deterministic transmit power control in MU-MIMO-OFDM systems
Tomoki Maruko
Waseda University

17:00 End of the first day

19:00 Conference dinner

09:00 Welcome
Andreas Czylwik
Univ. Duisburg-Essen