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, Michael and Petra Lübbert, 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 29th, 2012.

Registration Fees
Early registration (before June 4th, 2012) 360 EURO
Late registration (after June 4th, 2012) 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.

17th International OFDM Workshop 2012 (InOWo’12)

Preliminary Program

Conference organization
Universität Duisburg-Essen
Chair of Communication Systems, NTS
Prof. Dr. Andreas Czyliwk
Mrs. Arife Deutl
Bismarckstraße 81
47057 Duisburg, Germany

Phone +49 (0) 203 379 3364
Fax +49 (0) 203 379 2902
e-mail ofdm@nts.uni-due.de

The conference is supported by

ROHDE & SCHWARZ
ITG VDE
Wednesday, August 29th, 2012

08:00  Registration

09:00  Welcome

A. Czylikw
University Duisburg-Essen, Germany

Session 1  Modulation and demodulation
Chairman  H. Rohling, TU Hamburg-Harburg, Germany

09:10  OFDM-MFSK as a special case of noncoherent communication based on subspaces
E. Peiker-Feil
University of Ulm, Germany

09:30  Multicarrier systems: A comparison between filter bank based and cyclic prefix based OFDM
L.G. Baltar
TU München, Germany

09:50  Adaptive windowing for OFDM with dense subcarrier spacing in mobile channels
J. Robert
TU Braunschweig, Germany

10:10  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
L. Häring
University Duisburg-Essen, Germany

10:30  Coffee break ("Kaminzimmer")

Session 2  Relaying and cooperative techniques
Chairman  V. Kühne, University of Rostock, Germany

11:00  Hybrid one-two-way transmission scheme for bidirectional multi-user relaying under asymmetric rate requirements
H. Degenhardt
TU Darmstadt, Germany

11:20  Opportunistic scheduling in multi-hop OFDMA networks with local CSI
A. Kühne
TU Darmstadt, Germany

11:40  CoMP in Heterogeneous Networks: Linear transceiver design using the minimum weighted arithmetic-MSE criterion
T. Akbudak
University Duisburg-Essen, Germany

12:00  Improved Interference Alignment Performance for MIMO OFDM Systems by Multimode MIMO Antennas
M. El-Haddad
University Duisburg-Essen, Germany

12:20  Business lunch ("Wintergarten")

13:00  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
L. Häring
University Duisburg-Essen, Germany

13:30  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
L. Häring
University Duisburg-Essen, Germany

14:00  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
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18:00  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
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University Duisburg-Essen, Germany

18:30  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
L. Häring
University Duisburg-Essen, Germany

19:00  Performance comparison of adaptive modulation and coding in OFDM systems using signalling and automatic modulation classification
L. Häring
University Duisburg-Essen, Germany

Thursday, August 30th, 2012

09:10  Poster session ("Kaminzimmer")

CoMP in Heterogeneous Networks: Low-complexity joint cooperative resource allocation with SDMA
T. Akbudak
University Duisburg-Essen, Germany

Power and subcarrier allocation scheme for uplink OFDMA
S. Vorköper
University Rostock, Germany

Clipping-based iterative PAPR-reduction techniques for FBMC
Z. Kollár
University of Technology and Economics, Budapest, Hungary

Efficiency enhancement of RF-pilot-based phase noise compensation for coherent optical OFDM systems
S. Hussin
University Paderborn, Germany

Ultra high speed digital down converter design for Virtex-6 FPGAs
J. Meyer
Karlsruhe Institute of Technology, Germany

Implementation of a real-time adaptive modulation OFDM transceiver system
C. Kösters
University Duisburg-Essen, Germany

10:30  Coffee break ("Kaminzimmer")

Session 5  PAPR and implementation aspects
Chairman  R. Fischer, University of Erlangen-Nuremberg

11:00  Partial scrambling PAPR reduction for multi-code vector coding in adaptive modulated MIMO systems
O. Muta
Kyushu University, Japan

11:20  Peak-to-average power ratio reduction in OFDM via sparse signals: Transmitter-side tone reservation vs. receiver-side compressed sensing
R. Fischer
Universität Ulm, Germany

11:40  10 Gbps 8x8 MIMO-OFDM broadband experimental system for 11 GHz band super high bit-rate mobile communications
S. Suyama
Tokyo Institute of Technology, Japan

12:00  FPGA implementation of ZF-THP for MU-MISO-OFDM systems
F. Ludwig
Universität Bremen, Germany

12:20  Workshop summary

12:30  Business lunch ("Wintergarten")