

Prof. Dr. Ing. Marius Pesavento (*1973 Werl, Germany)

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**Education and Experience**

- 1992-99 Electrical Engineering, Ruhr-Universität Bochum, Germany. Title: Dipl.-Ing.
- 1999-00 Electrical Engineering and Information Science, McMaster University, Hamilton, Ontario, Canada. Title: MSc-Eng.
- 2001-05 Research Assistant. Ruhr-Universität Bochum, Germany, Signal Processing Group. Title: Dr.-Ing.
- 2005-07 Research Engineer, FAG Industrial Services GmbH (Schaeffler Group), Herzogenrath, Germany
- 2007-09 Head of Signal Processing Department, mimoOn GmbH, Duisburg, Germany.
- 2009-10 Senior Researcher and Lecturer, Communication Systems Group, TU Darmstadt, Germany.
- 2011-13 Assistant Professor for Robust Signal Processing, TU Darmstadt, Germany.
- Since 2013 Professor for Communication Systems, TU Darmstadt, Germany.

Research interests

Multiantenna and multiuser communication systems, robust signal processing and adaptive beamforming, high-resolution sensor array processing, distributed, sparse and mixed-integer optimization techniques for signal processing and communications, statistical signal processing, spectral analysis, parameter estimation, compressed sensing, signal processing for condition monitoring, mixed-integer programming for genetic pathway analysis.

Awards

- 2014 Co-author of the paper that received the Best Paper Award (3rd price) at the Eight IEEE Sensor Array and Multichannel Signal Processing Workshop, A Coruña, Spain, 2014.
- 2010 Best Paper Award, CrownCom 2011, 5th International ICST Conference on Cognitive, Radio Oriented Wireless Networks, Cannes, Frankreich, 2006.
- 2006 Young Author Best Paper Award 2005, Signal Processing Society, Institute of Electrical and Electronics Engineers (IEEE), 2002.
- 2006 Heinrich-Kost-Preis 2006, Gesellschaft der Freunde der Ruhr-Universität Bochum e.V..
- 2003 ITG Preis 2003, Verband der Elektrotechnik Elektronik Informationstechnik (VDE).
- 2001 Outstanding Thesis Research Award, McMaster University.

Publications

[Publications on Google Scholar](#)

Scientific activities

Editorial board member of the EURASIP Signal Processing Journal, Associate Editor for the IEEE Transactions on Signal Processing. Member (2nd term) of the Sensor Array and Multichannel(SAM) Technical Committee of the IEEE Signal Processing Society (SPS), Technical Co-chair of IEEE SAM 2014.