Jean-Yves Baudais, CNRS researcher   May 19, 2021
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Jean-Yves Baudais received the M.Sc. degree, and PhD degree in electrical engineering from the National Institute of Applied Sciences of Rennes (INSA), France, in 1997 and 2001 respectively. In 2002, he joined the French National Centre for Scientific Research (CNRS), where he is now researcher in the "Institut d'électronique et des technologies du numérique" (IETR), communication systems team (SYSCOM). In 2014, he received the "habilitation à diriger les recherches" from the University of Rennes. His general interests lie in the areas of signal processing and digital communications: transmitter design, resource allocation, receiver diversity processing (space, time, frequency), multiuser and multicarrier processing, network performance measure with point process model, energetic performance evaluation and radar signal processing.

Editorial activity

- Reviewer, TPC

    ◇ AT, COMCOM, EURASIP JASP, EURASIP JWCN, IEEE CL, IEEE CM, IEEE GRSL, IEEE JSAC, IEEE JSTARS, IEEE TIT, IEEE ToC, IEEE TVT, IEEE TWC, IEEE WCL, IJCS, JSRR, Sensors, TETT
    ◇ EuCNC, EUSIPCO, Globecom, ICC, ICT, ISPLC, ISSSTA, IWCLD, ISWCS, MCSS, PIMRC, VTC, WCNC

Fundings

- European: IST-MATRICE, IST-4MORE, CELTIC B21C, ICT-Omega

- National: RNRT IDILE, ANR ARBurst, RAPID AMBRA

- Academic, territorial collectivity: Techim@ges, Mobile TV world, TEPN (Cominlabs), COFFIFFI, CEREAL, PLC-VLC

- Direct partnership: FT R&D, CNES, Sagem, Ineo Defense, FDI MATELEC, ZF AUTROCRUISE

Publications

- Journal paper: 22 (AT, CR Physique, EURASIP JASP, EURASIP JWCN, IEEE JSAC, IEEE ToC, IEEE TGRS, IET EL, IJAT, IJOER, JCM, JC, JCN, JECE, RMT, TETT)

- Conference, workshop: 72 (DELTA, CISEA, ECNC, EURAD, EWIRCS, Globecom, Gretsi, ICAST, ICC, ICSNC, ICSPCS, ICT, ICUWB, ICWTEIS, IGARS, ISPLC, ISSSTA, ITS, JS URSI, MCSS, PIMRC, Sarnoff, SIFWICT, SPAWC, VTC, WCNC)

- Book chapter: 3

- Patent: 2

- Technical report: 31

- PhD, HDR

Student supervision

- PhD thesis: M. Crussière (2005), F. Portier (2007), A. Stephan (2008), F.S. Muhammad (2010), A. Maiga (2010), V. Riché (2013), A. Hamini (2013), T. Larhzaoui (2014), R. Jaouadi (2017), A.M. Alam (2017), Q. Lui (–), M.M. Varmayzar (–), M. Oussayran (–), Y. Yaacoub (–), B. Benmeziane (–), P. Leba (–)

- Master thesis: P. Sauvètre (2000), F. Bichelot (2004), A.T. Ho (2005), Z. Khalaf (2009), J. Karaki (2009), N. Kout (2010), M. Chami (2012), M. Kanj (2013), M.M. Nzoungou (2016), A. Ahmed (2019), A.T. Imijine (2019), E. Rahaut (2020)

- Topics: resource allocation, PLC, UWB, MIMO, MC-CDMA, WLAN, multiuser, radio access, AIS, green radio, MIMO SAR, 4G, 5G, signal processing