Monday

Time		
08:30 – 09:00		Registration
09:45		Welcome Session
Keynote Speaker	10:00	**Alessandro Cidronalli** **University of Florence, Italy** Green Wireless Technology - SDR Contributions
	11:00	*Cofee Break*
		Paper Sessions - Chair: Christian Fager - Chalmers University
Paper Sessions	11:20	**Analog Filter Bank for Cochlear Radio** Daniel Albuquerque*, José Vieira*, Nuno Carvalho**, José Pereira** **DETI/IEETA - University of Aveiro, **DETI/IT - University of Aveiro*
	11:45	**A Novel Approach for Cognitive Radio Sensing using Wideband Chirp Signal** Ahmed Barnawi *King Abdul-Aziz University*
	12:10	**Reconfigurable Amplifier Towards Enhanced Selectivity of Future Multi-band Mobile Terminals** Hiroshi Okazaki, Kunihiro Kawai, Atsushi Fukuda, Takayuki Furuta, Shoichi Narahashi *NTT DOCOMO Inc.*
	12:35	**A Multi-Mode Envelope Tracking Power Amplifier for Software Defined Radio Transmitters** Bumman Kim, Jinsung Choi, Daehyun Kang, Dongsu Kim *Pohang University of Science and Technology*
	13:00	*Lunch* *(Universidade de Aveiro)*
		Paper Sessions - Chair: José Angel Garcia - Universidad de Cantabria
Paper Sessions	14:30	**Power Amplifier Architectures with Discrete Power Control for High Average Efficiency** Alessandro Cidronali, Iacopo Magrini, Massimiliano Mercanti, Rossano Fagotti, Gianfranco Manes *University of Florence*
	14:55	**Exploring the use of Reconfigurable Matching Networks for Efficiency and Linearity Improvementin of RF Power Amplifiers under Load Variations** César Sánchez-Pérez, Jesus de Mingo, Paloma García-Dúcar, Pedro Luis Carro, Antonio Valdovinos *University of Zaragoza*
	15:20	**A Method for Real-Time Generation of Slew-rate Limited Envelopes in Envelope Tracking Transmitters** Gabriel Montoro, Pere Luis Gilabert, Eduard Bertran, Jordi Berenguer *Universitat Politècnica de Catalunya*
	15:45	**High Efficiency Transmitter Using Varactor Based Dynamic Load Modulation** Christian Fager*, Haiying Cao*, Thomas Eriksson*, Rik Jos**, Hossein Nemati* **Chalmers University of Technology, **NXP Semiconductors*
	16:10	*Cofee Break*
		Paper Sessions - Chair: Pedro Lavrador - Instituto de Telecomunicações - Universidade de Aveiro
Paper Sessions	16:30	**Peak-to-Average Power Ratio Reduction of STBC MIMO-OFDM Signals Using Unused Tones** Isabela Braz *University College Dublin*
	16:55	**On PAPR for Combined Modulation and Access Techniques in Configurable Radio** Bertran Eduard, Porta Orial, Montoro Gabriel, Delgado-Penin José A. *Universitat Politècnica de Catalunya*
	17:20	**A 0.75-6.75 GHz Receiver with a Digitally Controlled LO Generator for Software-Defined-Radio** Hyun Seok Choi, Bui Quang Diep, So Young Kang, Joo Young Jang, Un bong Lee Korea Advanced Institute of Science and Technology (KAIST)
	17:45	**Enhanced Phase Tracking for Unique Word based SC-FDE on Frequency Selective Channels** Kwanghoon Kim, Hyuncheol Park Korea Advanced Institute of Science and Technology (KAIST)
	19:00	***Galla Dinner*** ***(Salão Nobre Teatro Aveirense)***

Tuesday

Time	
08:30	**Registration**
09:00	**Fadhel Ghannouchi** **University of Calgary, Canada** SDR Based Power amplifiers /Transmitters for Advanced Wireless and Satellite Communications
10:00	**Linus Maurer** **DICE, Linz, Austria** Highly Flexible Digital Front-End Enhanced CMOS-Based RF Transceivers
11:00	*Cofee break*
	Poster and Demonstrations - Chair: Eduard Bertran - Universitat Politècnica de Catalunya
11:20	**Characterization and Compensation of Nonlinearities in a Continuous-time First-order ADC** Christian Schmidt*, Juan Cousseau*, José Figueroa*, Risto Wichman**, Stefan Werner** *UNS/CONICET, ** HUT
	Receiver based compensation of nonlinear distortion in MIMO-OFDM Peter Drotar*, Juraj Gazda*, Pavol Galajda*, Dusan Kocur*, Marc Deumal** *Technical University of Kosice, **Ramon Llull University
	A GaN Class-F PA width 600 MHz Bandwidth and 62.5% of PAE Suitable for WiMAX Frequencies Alberto García Osorio*, José Raúl Loo Yau*, J. Apolinar Reynoso Hernández** *Departamento de Centro de Estudios Avanzados del I.P.N. Unidad Guadalajara, **Centro de Investigación Científica y de Educación Superior de Ensenada
	Wide-band multipath A to D converter for Cognitive Radio applications Alban Gruget*, Morgan Roger**, Van Tam Nguyen*, Caroline Lelandais-Perrault**, Philippe Bénabès** *Telecom ParisTech - CNRS LTCI UMR 5141, **SUPELEC
	A Digital Correction Technique for Channel Mismatch in TISD ADCs Ali Beydoun, Van Tam Nguyen, Patrick Loumeau *Telecom ParisTech*
	OFDM PAPR Reduction by Convex Optimization: A Power Amplifier Point-of-View Charles Nader*, Peter Händel**, Niclas Björsell* *Center for RF Measurement Technology - University of Gävle and Royal Institute of Technology., **Signal Processing Lab, Royal Institute of Technology and University of Gävle
	A Methodology for multi-band class E RF PA design Antoine Diet*, Martine Villegas**, Geneviève Baudoin**, Fabien Robert** *UMR8506 LSS DRE (UPS-11, CNRS, Supelec), **ESYCOM EA2552 ESIEE
	Ultra Wideband Pulse Shaping Using Frequency Mixer Robert Urban, Ludek Subrt, Pavel Pechac Czech Technical University in Prague
13:00	*Lunch* *(Universidade de Aveiro)*
	Paper Sessions - COST - Chair: Andriy Konovaltsev - German Aerospace Center
14:30	**Nonlinear Analysis and Optimization of a Distributed VCO for Cognitive Radio** Alessandro Acampora, Ana Collado, Apostolos Georgiadis Centre Tecnologic de Telecomunicacions de Catalunya
14:55	**Versatile reconfiguration of radiation patterns, frequency and polarization:** **a discussion on the potential of controllable reflectarrays for software defined and cognitive rádio systems** Julien Perruisseau-Carrier Centre Tecnologic de Telecomunicacions de Catalunya (CTTC)
15:20	**Antenna and RF Front End Calibration in a GNSS Array Receiver** Andriy Konovaltsev, Manuel Cuntz, Michael Meurer German Aerospace Center
15:45	**RF MEMS and MMIC based reconfigurable matching networks for adaptive multi-band RF front-ends** Robert Malmqvist*, Carl Samuelsson*, Pekka Rantakari**, Tauno Vähä-Heikkilä**, Derek Smith*** *FOI Swedish Defence Research Agency - Linköping, Sweden, ** VTT Technical Research Institute of Finland - Espoo- Finland, ***OMMIC - Limeil-Brevannes - Cedex - France
16:10	*Cofee break*
	Paper Sessions - COST - Chair: Apostolos Georgiadis - CCTC
16:30	**Polar Transmitter Architecture Used in a Software Defined Radio Context** Pedro Miguel Cabral*, Lorena Cabria**, Jose Angel Garcia**, Jose Carlos Pedro* *Instituto de Telecomunicacoes - Universidade de Aveiro, **Dep. Ingenieria de Comunicaciones - Universidad de Cantabria*
16:55	**A Class E Power Amplifier Design for Drain Modulation under a High PAPR WiMAX Signal** Lorena Cabria*, Pedro Miguel Cabral**, José Carlos Pedro**, José Angel García* *Dpto. Ingeniería de Comunicaciones, Universidad de Cantabria, **Instituto de Telecomunicações, Universidade de Aveiro
17:20	**I/Q Imbalance Effects in Quadrature Modulators – Analysis and Signal Processing** Mikko Valkama, Jaakko Marttila, Markus Allén Dep. of Communications Enginnering, Tampere University of Technology
17:45	**A New Technique for Dynamic Range Extension of Analog-to-Digital Conversion** Pedro Cruz, Nuno Borges Carvalho IT - University of Aveiro
18:10	Closing Session