2014 IEEE International Conference on Ultra-WideBand

(ICUWB 2014)

Paris, France
1-3 September 2014
**K01: Keynote presentation**

*Indoor positioning: market status and requirements*
Jean-Baptiste Prost (Pole Star, France)

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**S01: Ranging and Localization I**

*Enhancements to Threshold Based Range Estimation for Ultra-Wideband Systems*
Hamza Soganci and Sinan Gezici (Bilkent University, Turkey); Mehmet B Guldogan (Turgut Ozal University & Turgut Ozal University, Turkey)
pp. 1-6

*An experimental performance study of an original ranging protocol based on an IEEE 802.15.4a UWB testbed*
Rejane Dalce (Institut de Recherche en Informatique de Toulouse UMR 5505 - CNRS, France); Adrien van den Bossche (IRIT UMR 5505 - University of Toulouse, France); Thierry Val (University of TOULOUSE-UT2-CNR - CNRS - IRIT - IRT team, France)
pp. 7-12

*Cramér–Rao Bound Analysis of UWB based Localization Approaches*
Adrià Gusi Amigó (Université Catholique de Louvain, Belgium); Pau Closas (Centre Tecnològic de Telecomunicacions de Catalunya (CTTC), Spain); Achraf Hassan Mallat (Université catholique de Louvain, Belgium); Luc Vandendorpe (University of Louvain, Belgium)
pp. 13-18

*A Cooperative NLoS Identification and Positioning Approach in Wireless Networks*
Zhoubing Xiong (Istituto Superiore Mario Boella, Italy); Francesco Sottile (ISMB, Italy); Roberto Garello (Politecnico di Torino, Italy); Claudio Pastrone (Istituto Superiore Mario Boella, Italy)
pp. 19-24

*Performance of Indoor Localization System in Presence of Scatter for strong Multipath Condition*
Rupesh Kumar (TELECOM ParisTech, France); Jean Cousin (COMELEC, France); Bernard Huyart (Institut Mines Telecom, Telecom ParisTech, France)
pp. 25-29

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**S02: Signal Processing, Algorithms and Performance I**

*Iterative Algorithms to Compensate for Quantization Noise in Monobit Transmitted-Reference Receivers*
Hassan Khani (Quchan University of Advanced Technology, Iran)
pp. 30-35

*Statistical Analysis of the SNR Loss due to Imperfect Time Reversal*
Guido C Ferrante (Sapienza University of Rome, Italy); Jocelyn Fiorina (Supélec, France); Maria Gabriella Di Benedetto (University of Rome La Sapienza, Italy, Italy)
pp. 36-40

*Beamforming of Ultra wideband signals in an IEEE 802.15.3a channel environment*
Santhosh D (National Institute of Technology, India); Hinduja Ichapuram (National Institute of Technology Warangal, India); Mani Venkata Vakamulla (National Institute of Technology, India); Ranjan Bose (Indian Institute of Technology, India)
pp. 41-46

*UWB passive beamforming for large antenna arrays*
Thomas Fromenteze (University of Limoges & XLIM, France); Cyril Decroze (XLIM, France); David Carsenat (XLIM CNRS-UMR 6172, France)
pp. 47-50

*Detection of Distorted IR-UWB Pulses in Low SNR NLOS Scenarios*
Thorsten Wehs, Tilman Leune, Gerd von Cölln and Carsten Koch (Hochschule Emden/Leer, University of Applied Sciences, Germany)
**S03: Propagation Channels**

**60 GHz Wireless Data Center Channel Measurements: Initial Results**  
Zaaimia Zakarya Mohammed (USTHB, Algeria); Rachida Touhami (Université des Sciences et de La Technologie HOUARI BOUMEDIENE, Algeria); Fono Vincent (Université du Québec en Outaouais, Canada); Larbi Talbi (University of Quebec - Outaouais, Canada); Mourad Nedil (UQAT, Canada)  
pp. 57-61

**Effects of Inner Volume on UWB Propagation Channels within Closed Spaces**  
Miyuki Hirose and Takehiko Kobayashi (Tokyo Denki University, Japan); Astushi Tomiki (Japan Aerospace Exploration Agency & Institute of Space and Astronomical Science, Japan); Tomoaki Toda (Japan Aerospace Exploration Agency, Japan)  
pp. 62-67

**Estimation of 60GHz Channels Based on Energy Detection**  
Stephane Mebaley Ekome (CNRS - IEMN & Université Paris Est, France); Clavier Laurent (Institut Mines-Telecom, Telecom Lille & IEMN / IRCICA, France); Antoine Frappé (IEMN - ISEN, France); Eric P. Simon (University of Lille, France); Ilias Sourikopoulos (IEMN - ISEN, France)  
pp. 68-73

**Random Patterns of Secret Keys from Sampled IR-UWB Channel Responses**  
Iulia Tunaru and Benoit Denis (CEA-Leti Minatec, France); Bernard Uguen (University of Rennes I, France)  
pp. 74-79

**Secret Key Extraction from a UWB Channel: Analysis in a Real Environment**  
Francesco Marino, Enrico Paolini and Marco Chiani (University of Bologna, Italy)  
pp. 80-85

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**S04: Sensing and Cognitive Radio**

**Achievable Performance of Bayesian Compressive Sensing Based Spectrum Sensing**  
Mehmet Başaran (Istanbul Technical University, Turkey); Serhat Erkucuk (Kadir Has University, Turkey); Hakan A. Çırpan (Istanbul Technical University, Turkey)  
pp. 86-90

**Detection of Licensed Users’ Activity in a Random Access Ultra Wideband Cognitive System**  
António Furtado (Universidade Nova de Lisboa / UNINOVA, Portugal); Miguel Luís and Luis Irio (Universidade Nova de Lisboa, Portugal); Rodolfo Oliveira (Nova University of Lisbon, Portugal); Rui Dinis (Instituto de Telecomunicacoes & FCT-UNL, Portugal); Luis Bernardo (Universidade Nova de Lisboa, Portugal)  
pp. 91-95

**Ultra wideband and Bluetooth detection based on energy features**  
Hossein Soleimani (Sapienza University of Roma, Italy); Giuseppe Caso (Sapienza University of Rome, Italy); Luca De Nardis (University of Rome La Sapienza, Italy); Maria Gabriella Di Benedetto (University of Rome La Sapienza Italy, Italy)  
pp. 96-101

**SENSIC: Mobility-aware Cluster-based Cooperative Spectrum Sensing for Cognitive Radio Networks**  
Giuseppe Caso (Sapienza University of Rome, Italy); Hossein Soleimani (Sapienza University of Roma, Italy); Luca De Nardis (University of Rome La Sapienza, Italy); Alessandro Tosti (Telecom Italia, Italy); Maria Gabriella Di Benedetto (University of Rome La Sapienza Italy, Italy)  
pp. 102-107

**Cyclostationary Detection of 5G GFDM Waveform in Cognitive Radio Transmission**  
Rohit Datta (TU Dresden, Germany); Dorin Panaitopol (NEC Technologies, France); Gerhard Fettweis (Technische Universität Dresden, Germany)  
pp. 108-112
**S05: Radar and Imaging I**

**Study of Human Being Detection in an Indoor Environment using Ultra Wideband Radar**
Mohammad Khausru (LSBU, United Kingdom); Mohammad Ghavami (London South Bank University, United Kingdom)
pp. 113-118

**On the Range Estimation by UWB-Radar**
Jürgen Sachs (Ilmenau University of Technology, Germany)
pp. 119-124

**UWB-Radar based Surface Permittivity Estimation in Hostile and Pathless Security Scenarios**
Benedikt Friederich and Thorsten Schultze (Universität Duisburg-Essen, Germany); Ingolf Willms (University Duisburg-Essen, Germany)
pp. 125-128

**Middle-range surveillance by UWB radar: An experimental feasibility study**
Rudolf Zetik (Technical University Ilmenau, Germany); Reiner S. Thomä (Ilmenau University of Technology, Germany)
pp. 129-134

**Multiple Target Detection and Localization in UWB Multistatic Radars**
Bita Sobhani (University of Bologna & Department of Electrical, Electronic, and Information Engineering (DEI), CNIT, Italy); Matteo Mazzotti, Enrico Paolini, Andrea Giorgetti and Marco Chiani (University of Bologna, Italy)
pp. 135-140

**S06: Antennas and Electromagnetics I**

**Figures of merit of a small antenna in cluttered IR-UWB Wireless Sensor Networks applications**
Hamadache Zemmour (ESYCOM-ESIEE EA2552, France); Antoine M Diet (Université Paris Sud 11 - UPSud (IUT de Cachan), France); Geneviève B. Baudoin (ESIEE, France); Jocelyn Fiorina (Supélec, France)
pp. 141-146

**Low-profile directional UWB Antenna on Chip Packaging**
Olivier Clauzier (CEA Leti, France); Serge Bories (CEA, France); Christophe Delaveaud (CEA-LETI, France)
pp. 147-151

**Compact dual-polarized Ultra-wideband antenna with improved cross-polarization**
Rabia Yahya and Makoto Itami (Tokyo University of Science, Japan)
pp. 152-156

**Design of three Wide-Bandwidth Terahertz Array Antennas Based on Composite Right/Left-Handed Transmission Line**
Ningli Zhu, J Chen, Wei Zhang and Kaisi Xu (Peking University, P.R. China)
pp. 157-161

**A novel grating monopole antenna (with defected ground plane) for DVB-T application**
Chemseddine Zebiri (Ferhat Abbas University of Setif, Algeria)
pp. 162-165

**K02: Keynote presentations**

**Technologies for unlocking new spectrum above 6 GHz for 5G**
Maziar Nekovee (Samsung Electronics, United Kingdom)

**An Information Theoretic View of Cognitive Radio Networks**
Shlomo (Shitz) Shamai (The Technion, Israel)
**S07: Special Session on Millimeter Waves**

**Measuring the Busy Urban 60 GHz Outdoor Access Radio Channel**
Richard J. Weiler and Michael Peter (Fraunhofer HHI, Germany); Wilhelm Keusgen and Mike Wisotzki (Fraunhofer Heinrich Hertz Institute, Germany)
pp. 166-170

**A 120 GHz 3D-Printed Plastic Elliptical Lens antenna with an IPD Patch Antenna Source**
Aimeric Bisognin (University Nice Sophia-Antipolis & STMicroelectronics, France); Diane Titz (University of Nice, France); Cyril Luxey (University Nice Sophia-Antipolis, France); Gilles Jacquemod (University of Nice, France); Romain Pilard (STMicroelectronics, Technology R&D, STD, TPS Lab, France); Frédéric Gianesello, Daniel Gloria, Claire Laporte and Hilal Ezzeddine (STMicroelectronics, France); Fabien Ferrero (CREMANT, Université Nice-Sophia Antipolis & CREMANT CNRS, France); Delphine Lugara (France Telecom R&d, France); Jorge R. Costa (Instituto de Telecomunicações / ISCTE-IUL, Portugal); Eduardo B. Lima (Instituto de Telecomunicações & Instituto Superior Técnico, Portugal); Carlos A. Fernandes (Instituto de Telecomunicacoes, Instituto Superior Tecnico, Portugal)
pp. 171-174

**From Ultra-Wide-Band signals to coherent frequency synthesis**
Alexandre Siligaris (CEA-LETI, France); Clement Jany (CEA-LETI, Minatec Campus, France)
pp. 175-179

**On Reconstructable ASK-Sequences for Receivers employing 1-Bit Quantization and Oversampling**
Lukas Landau and Gerhard Fettweis (Technische Universität Dresden, Germany)
pp. 180-184

**High Capacity Hybrid Optical Fiber-Wireless Links in 75-300 GHz Band**
Lucas C. P. Cavalcante, Juan Jose Vegas Olmos and Idelfonso Tafur Monroy (Technical University of Denmark, Denmark)
pp. 185-190

**S08: Radar and Imaging II**

**Fast and Accurate UWB Radar Imaging using Hybrid of Kirchhoff Migration and Stolt's F-K Migration with Inverse Boundary Scattering Transform**
Takuya Sakamoto and Toru Sato (Kyoto University, Japan); Pascal Aubry (IRCTR, The Netherlands); Alexander Yarovoy (Delft University of Technology, The Netherlands)
pp. 191-196

**Ultra-WideBand RADAR System for Range Measurement**
Ghalid Abib (Institut Mines Telecom / Télécom SudParis, France); Muriel Muller (Institut Mines-Telecom / Telecom SudParis, France); Cristina Seoane-Gomez and Pablo Fernandez-Sepulveda (Telecom SudParis, France)
pp. 197-201

**A new high speed, high bandwidth acquisition platform for impulse UWB see through-the-wall radar**
Vincent Mérelle, Alain Gaugue, Jamal Khamlichi and Georges Louis (La Rochelle University, France); Michel Menard (University of La Rochelle, France)
pp. 202-206

**Super-Resolution Feature Extraction Imaging Algorithm for complex Objects**
Dilyan Damyanov (University of Duisburg-Essen, Germany); Rahmi Salman and Ingolf Willms (University Duisburg-Essen, Germany)
pp. 207-210
S09: Signal Processing, Algorithms and Performance II

Efficient tracking design in UWB communication systems
Rshdee Alhakim (University of Grenoble & TIMA Lab, France); Emmanuel Simeu (TIMA Laboratory, Grenoble University, France)
pp. 211-216

CAMDF based Synchronization for IEEE 802.15.4 IR-UWB Systems in Rich Scattering Environments
Rafael Reinhold, Ruediger Kays and Ingo Kledewski (TU Dortmund University, Germany)
pp. 217-221

Architectural Analysis of Compressed Sensing Based IR-UWB Receiver for Communication and Ranging
Qin Zhou (KTH Royal Institute of Technology, Sweden); Zhuo Zou (KTH-The Royal Institute of Technology, Sweden); Hannu Tenhunen (University of Turku, Finland); Li-Rong Zheng (Royal Institute of Technology (KTH), Sweden)
pp. 222-227

Channel Shortening for OFDM Systems: An Improved Algorithm in Noisy Environments
Papa Moussa Ndao and Maryline Hélard (Institute of Electronics and Telecommunications of Rennes (IETR), France); Matthieu Crussière (IETR - Electronics and Telecommunications Research Institute of Rennes (IETR) & INSA - National Institute of Applied Sciences, France); François Yven (CNRS & INSA Rennes IETR, France)
pp. 228-233

IEEE 802.15.4a-Based Impulse Radio Ultra-Wideband System with Joint Channel Equalization and Decoding
Igor Dotlic (National Institute of Information and Communications Technology, Japan); Ryu Miura (NICT, Japan)
pp. 234-239

S10: Antennas and Electromagnetics II

Stacked Resonator Patch Antenna for Wide Bandwidth THz Detection
Marwah Shafee (Mentor Graphics & Egypt, Egypt); Shamsun Nahar (Rensselaer Polytechnic Institute, USA); Amr Safwat and Hadya El-Hennawy (Ain Shams University, Egypt); Mona Hella (Rensselaer Polytechnic Institute, USA)
pp. 240-244

Transient response of coupled wire antennas using the Electric Field Integral Equation with Laguerre Polynomials as temporal basis functions
Dorsaf Omri and Mourad Aidi (National Engineering School of Tunis, Tunisia); Taoufik Aguili (ENIT, Tunisia)
pp. 245-250

The Vector Fitting Approach to Simulation of EM Fields Radiated by UWB Sources Placed on Convex Conducting Surface
Piotr Górniak and Wojciech Bandurski (Poznań University of Technology, Poland)
pp. 251-255

Switchable Frequency Selective Surfaces Absorber/Reflector for Wideband Applications
Peng Kong, Xiao-Wei Yu, Ling Miao and Jian-Jun Jiang (Huazhong University of Science and Technology, P.R. China)
pp. 256-259

S11: Medical Applications

A Novel UWB Imaging System Setup for Computer-Aided Breast Cancer Diagnosis
Xiang He, Jia Li and Chenxing Wu (Oakland University, USA)
pp. 260-264
Time Domain Reflectometry Using IR-UWB CMOS Integrated Circuits for Breast Cancer Detection
Takamaro Kikkawa (Hiroshima University, Japan); Takumi Sugitani (Hiroshima University & Research Institute for Nanodevice and Bio Systems, Japan)
pp. 265-268

Fifth Derivative Gaussian Pulse Generator for UWB Breast Cancer Detection System
Stelvio Barboza (University of São Paulo & LSI, Brazil); José Alejandro Amaya Palacio (University of São Paulo, Brazil); Sergio Kofuji (University of São Paulo, Brazil); Elvis Pontes (University of São Paulo & Laboratory of Integrated Systems (LSI), Brazil)
pp. 269-273

Measurement and Analysis of UWB Radio Channel for Indoor Localization in a Hospital Environment
Jac Romme (IMEC / Holst Centre, The Netherlands); Johannes H.C. van den Heuvel (Holst Centre / imec & IMEC, The Netherlands); Guido Dolmans (Holst Centre / IMEC-NL, The Netherlands); Georgios Selimis (imec / Holst Centre, The Netherlands); Kathleen Philips (IMEC / Holst Centre, The Netherlands); Harmke de Groot (Holst Centre/IMEC, The Netherlands)
pp. 274-279

S12: Ranging and Localization II

Experimental Study of UWB-based High Precision Localization for Industrial Applications
Bruno Silva (University of Pretoria, South Africa); Zhibo Pang (ABB AB Corporate Research, Sweden); Johan Åkerberg (ABB AB, Sweden); Jonas Neander (ABB Corporate Research, Sweden); Gerhard P Hancke (University of Pretoria, South Africa)
pp. 280-285

Real-Time, Anchor-Free Node Tracking Using Ultrawideband Range and Odometry Data
Brian Beck (Georgia Institute of Technology, USA); Robert John Baxley and Joseph Kim (Georgia Tech Research Institute, USA)
pp. 286-291

Impact of real ranging on algorithms for power allocation in localization processes
Salar Bybordi and Luca Reggiani (Politecnico di Milano, Italy)
pp. 292-296

An Experimental Model for UWB Distance Measurements and Its Application to Localization Problems
Stefania Monica and Gianluigi Ferrari (University of Parma, Italy)
pp. 297-302

S13: Special Session on UWB Emerging Techniques

An Ultra-Wideband Radar Approach to Nondestructive Testing
Simone Gubinelli, Enrico Paolini, Andrea Giorgetti and Matteo Mazzotti (University of Bologna, Italy); Andrea Rizzo (Scuderia Toro Rosso, Italy); Enrico Troiani and Marco Chiani (University of Bologna, Italy)
pp. 303-308

Channel Division Multiple Access: The Access Solution for UWB Networks
Aawatif Hayar (GREENTIC/ENSEM/UEH2C, Morocco); Raul de Lacerda (Ecole Supérieure d'Electricité (SUPELEC), France); Mérouane Debbah (Supelec, France)
pp. 309-314

Spatial Sparsity Based Direct Positioning for IR-UWB in IEEE 802.15.4a Channels
Eva Lagunas (Universitat Politècnica de Catalunya, Spain); Monica Navarro and Pau Closas (Centre Tecnològic de Telecomunicacions de Catalunya (CTTC), Spain); Montse Nájar (Universitat Politècnica de Catalunya, Spain)
pp. 315-320
S14: Hardware and Chips I

**Design of Push-Push Voltage-Controlled Oscillator for D-Band Applications**
Chan-hui Jeong (Korea University, Korea)
pp. 327-330

**Fast Turn On/Off Low Noise Amplifier for Duty Cycled Ultra-Wideband Impulse Radio**
Ines Benamor (IM2NP, France); Nicolas Dehaese (University of Aix-Marseille III, France); Jean Gaubert and Sylvain Bourdel (L2MP, France)
pp. 331-336

**An Eight-Phase CMOS Injection Locked Ring Oscillator with Low Phase Noise**
Khalil Ismail Khalil Yousef (Egypt Japan University of Science and Technology, Egypt); Hongting Jia (E-JUST Center, Kyushu University, Japan); Ahmed Allam (Egypt-Japan University of Science and Technology, Egypt); Awinash Anand (Graduate School of ISEE, Japan); Ramesh K Pokharel (Kyushu University, Japan); Takana Kaho (NTT, Japan)
pp. 337-340

**A New Simple UWB Ring Filter with Flexible Band-Notch Characteristics**
Mohamed Kheir (Christian-Albrechts-University of Kiel & Germany, Germany); Michael Höft (University of Kiel, Germany); Reinhard Knoechel (CAU Kiel, Germany)
pp. 341-344

**Advanced Full-wave Integral Method for Accurate Analysis of Transmission Planar Circuits: Application to Finline Structures**
Abdelhamid Khodja (University of Science and Technology Houari Boumedienne, Algeria); Mustapha Yagoub (University of Ottawa, Canada); Rachida Touhami (Université des Sciences et de La Technologie HOUARI BOUMEDIENE, Algeria); Henry Baudrand (ENSEEIHT, France)
pp. 345-350

S15: Infrastructures and Experimental Platforms

**UWB 2D Communication Tiles**
Hiroyuki Shinoda, Akimasa Okada and Akihito Noda (The University of Tokyo, Japan)
pp. 351-355

**Energy Sprinklers for Passive UWB RFID**
Anna Guerra (CNIT - University of Bologna, Italy); Nicolò Decarli, Francesco Guidi and Davide Dardari (University of Bologna, Italy)
pp. 356-361

**On-Body Localization Experiments using Real IR-UWB Devices**
Jihad Hamie (Telecom ParisTech, Paris, France); Benoit Denis (CEA-Leti Minatec, France); Mickael Maman (CEA-Leti Minatec Campus, France)
pp. 362-367

**Ultra-Wideband: A Tool for Teaching Undergraduates**
Alan Petroff (Time Domain, USA)
pp. 368-373
S16: Millimeter Wave and 60 GHz

**Packaged Transceiver with On-Chip Integrated Antenna and Planar Discrete Lens for UWB Millimeter-Wave Communications**
José Alberto Zevallos Luna and Laurent Dussopt (CEA, LETI, Minatec, France); Alexandre Siligaris (Cea, Leti, Minatec, France)  
pp. 374-378

**Performance Evaluation of UWB Signaling at mmWaves**
Claudia Rinaldi (University of L'Aquila, Italy); Nikola Rendevski (University of L'Aquila, Macedonia, the former Yugoslav Republic of); Dajana Cassioli (University of L'Aquila, Italy)  
pp. 379-384

**A Rigorous Spectral Domain-Mode Analysis of Multilayered Anisotropic Asymmetric Coupled Structures in Millimeter-wave Band**
Mohamed Lamine Tounsi (USTHB University, Algeria); Abdelhamid Khodja (University of Science and Technology Houari Boumedienne, Algeria); Mustapha Yagoub (University of Ottawa, Canada)  
pp. 385-389

**A 60-GHz UWB Pulse Generator with Fast Start-up and Extinction Using Injection Conditions**
Zyad Iskandar (Univ. Grenoble Alpes, IMEP-LAHC, CNRS 38016 Grenoble, France, France); Philippe Ferrari (University Grenoble Alpes, IMEP-LAHC, CNRS, France); Clement Jany (CEA-LETI, Minatec Campus, France); Alexandre Siligaris (Cea, Leti, Minatec, France)  
pp. 390-393

**A Fully Micromachined Double-Slot Waveguide-to-GCPW Transition for 180-230 GHz MM-Wave Applications**
Hadi Aliakbarian (K N Toosi University of Technology, Iran); Soheil Radiom (ESAT, Katholieke Universiteit Leuven, Belgium); Guy A. E. Vandenbosch and Georges G.E. Gielen (Katholieke Universiteit Leuven, Belgium)  
pp. 394-397

S17: Sensors

**Multiple Sensor Node Synchronization for Parallel UWB Communication and Ranging**
Dan Kreiser and Olonbayar Sonom (IHP, Germany)  
pp. 398-402

**Indoor Localization with multi sensor data fusion in ad hoc mobile scenarios**
Riccardo Minutolo (Thales communications Italy, Italy); Luca Alfredo Annoni (2T srl Information Technology Consulting, Italy)  
pp. 403-408

**A Mobile Open Infrastructure Network Protocol (MOIN) for Localization and Data Communication in UWB Based Wireless Sensor Networks**
Manuel Janssen, Andreas Busboom and Udo Schoon (Univerity of Applied Sciences Emden-Leer, Germany); Gerd von Cölln and Carsten Koch (Hochschule Emden/Leer, University of Applied Sciences, Germany)  
pp. 409-414

**Statistical Analysis and Error Correction Schemes of an UWB Body-Worn Sensor Used for Electromagnetic Field and Exposure Assessment**
Christophe Roblin (TELECOM ParisTech & ENSTA ParisTech, France)  
pp. 415-420

**An UWB-enhanced Identification Procedure for Large-scale Passive RFID Systems**
Piergiuseppe Di Marco (Royal Institute of Technology, Sweden); Roberto Alesii (University of L'Aquila, Italy); Fortunato Santucci (University of L'Aquila, Italy); Carlo Fischione (KTH, Sweden)  
pp. 421-426
S18: Special Session on Transport Systems

**Comparison of UWB Modulations over Nakagami-m Fading Channels with Path-loss for an energy efficient railway balise application**
Adil Elabboubi (Université de Valenciennes et du Hainaut-Cambrésis & Ifsttar, France); Fouzia Boukour Elbahhar (IFSTTAR, France); Marc Heddebaut (INRETS, France); Yassin Elhillali (Université De Valenciennes Et Du Hainaut Cambresis, France)
pp. 427-432

**Performance Analysis of Doppler Shift Impact on the MB-OFDM System Applied for Vehicle to Infrastructure Communication**
Sanaa Kabil (Cadi Ayyad University, Team of Telecommunications and Computer Networks, Morocco); Raja Elassali (Cadi Ayyad University, Information Technology and Modeling Laboratory, Morocco); Fouzia Boukour Elbahhar (IFSTTAR, France); Abdellah Ait Ouahman (University Cadi Ayyad, Morocco); Brahim Ait Essaid (Cadi Ayyad University, Team of Telecommunications and Computer Networks, Morocco)
pp. 433-437

**Direct Path Detection Algorithm in Multiple Input Single Output Configuration for Transport Applications**
Kobenan Ignace Kossonou (University of Valenciennes, France); Yassin Elhillali (Université De Valenciennes Et Du Hainaut Cambresis, France); Michael Bocquet (University of Valenciennes & IEMN, France); Atika Rivenq (University, France); Jamal Assaad (IEMN - DOAE - MIMM Team, UVHC, France)
pp. 438-443

S19: Hardware and Chips II

**Hardware implementation of a non-coherent IR-UWB receiver synchronization algorithm targeting IEEE 802.15.6 wireless BAN**
Houcine Chougrani (Orange Labs & Telecom Bretagne, France); Jean Schwoerer (France Telecom & Orange Labs, Japan); Pierre-Henri Horrein (LabSTICC, Télécom Bretagne, France); Amer Baghdadi (Télécom Bretagne, France)
pp. 444-449

**Multi-Channel and Multi-Data Rate IR-UWB Single-Chip Transceiver compliant to IEEE 802.15.4a**
Gunter Fischer, Denys Martynenko, Oleksiy Klymenko, Olonbayar Sonom and Dan Kreiser (IHP, Germany)
pp. 450-455

**FPGA and ASIC Implementation and Testing of IR-UWB Baseband transceiver for IEEE802.15.4a**
Olonbayar Sonom and Dan Kreiser (IHP, Germany); Rolf Kraemer (IHP Microelectronics, Frankfurt/Oder, Germany)
pp. 456-461

**UWB On-Chip Fingerprinting and Identification Using Carbon Nanotubes**
Mohamed Kheir (Christian-Albrechts-University of Kiel & Germany, Germany); Heinz Kreft (Christian-Albrechts-University of Kiel, Germany); Reinhard Knoechel (CAU Kiel, Germany)
pp. 462-466

**Circular Planar Coupler for UWB 2-D Communication**
Akihito Noda (The University of Tokyo, Japan); Yuta Kudo and Hiroyuki Shinoda (University of Tokyo, Japan)
pp. 467-472
Exact BER analysis of DCM for Multiband OFDM-UWB System over uncorrelated Nakagami-m fading channels
Sai Krishna Kondoju (National Institute of Technology Warangal, India); Mani Venkata Vakamula (National Institute of Technology, India); Ranjan Bose (Indian Institute of Technology, India)
pp. 473-478

An Energy Study on IR-UWB Transmitter Using Integration-and-Fire Modulation
Iman Kianpour (INESC TEC/Faculty of Engineering, University of Porto, Portugal); Bilal Hussain (Faculty of Engineering of the University of Porto, Portugal); Vitor Grade Tavares, Candido Duarte and Hélio Mendonça (INESC TEC/Faculty of Engineering, University of Porto, Portugal); Jose Príncipe (University of Florida, USA)
pp. 479-483

Generation of wideband m-sequences: a low-cost approach
Sebastian Brueckner and Karsten Schubert (Technische Universität Braunschweig, Germany); Jan Fahlbusch (SF Microwave GmbH, Germany); Joerg Schoebel (Braunschweig University of Technology, Germany)
pp. 484-488

A Comparative Cost-Capacity Modeling of Wireless Heterogeneous Networks, Implemented within the 0.7 GHz, 2.6 GHz, 5 GHz and 28 GHz Bands
Vladimir Nikolikj (Vip Operator, Macedonia, the former Yugoslav Republic of); Toni Janevski (Ss. Cyril and Methodius University in Skopje, Macedonia, the former Yugoslav Republic of)
pp. 489-494

Performance of Transmitter Preprocessing Aided Cooperative Downlink MC-DS-CDMA System
Alagu Sanjana Haribhaskaran (SSN Institutions, India); Prabagarane Nagaradjane (SSNRC, India); Ananya Ravi (SSN Institutions, India); Bhanusri Sridharan (SSN College of Engineering, India)
pp. 495-500