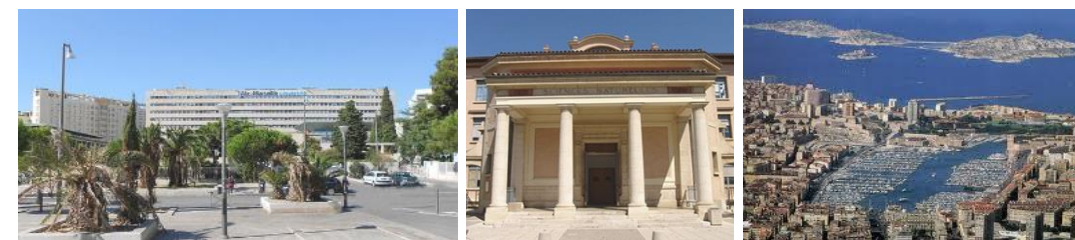




Campus Saint Charles, Marseille, France
Mediterranean Microwave Symposium
 28, 29 & 30 November 2017



Technical Program

Tuesday, November 28, 2017

• Session 1 : Electromagnetic and Antennas

- talk 1-1 M. BOUSLAMA, M. TRAILI, T.A. DENIDNI and A. GHARSALLAH
 talk 1-2 K. M. RAHMAN and N. HAKEM
 talk 1-3 C. CAMPO, M. STEFER, L. BERNARD, S. HENRY, H BOEGLER, J-M. PAILLOT

- chairman : Abdul Kadir HAMID, University of Sharjah, Sharjah, UAE*
 Active Antenna Based on a New Cylindrical Frequency Selective Surface
 Outage Probability Performance Using Space Projection Algorithm in FD-MIMO Relay
 Antenna Weighting System for a Uniform Linear Array based on Software Defined Radio

• Session 2 : Propagation, Scattering and Diffraction -1

- talk 2-1 H. SALEH, J-M. GEFFRIN, C. EYRAUD and H. TORTEL
 talk 2-2 K. UNGER, K. BELKEBIR, A. SENTENAC, T. ZHANG and P. CHAUMET
 talk 2-3 A-K. HAMID
 talk 2-4 I. HINOSTROZA, T. LETERTRE and V. MAZIERES

- chairman : Brian STOUT, Institut Fresnel, France*
 Upgrading the settings of a microwave experimental setup for better accuracy in bistatic radar cross section measurement
 Inverse scattering in the multiple scattering regime using different gradient approximations
 Scattering by Two PEMC Elliptic Cylinders
 UAV detection with K band embedded FMCW radar

• Session 3 : Microwave Metrology, Measurement Techniques -1

- talk 3-1 K. RUSTOMJI, R. ABDEDDAIM, J. ACHARD, M. CHMIIA, E. GEORGET, M. GONICHE, W. HELOU, J. HILLAIRET, S. ENOCH and G. TAYEB
 talk 3-2 A. RENNANE, F. BENMAHOUD, A. ABDELNOUR, N. FONSECA, D. KADDOUR, R. TOUHAMI and S. TEDJINI
 talk 3-3 N. CHAGTMI, N. BOULEJFEN and F. GHANNOUCHI

- chairwoman : Luisa NEVES, CCRM, Marseille, France*
 Mimicking tokamak plasma with fishnet metamaterials for calibration of antennas.
 Passive UHF RFID Bending and Absolute Force Strain Gauge Based Sensors
 Performance assessment of the N-port based wireless receivers

Wednesday, November 29, 2017

• Session 4 : Microwave and Millimeter-wave Components

- talk 4-1 M. DENG, S. FREGONESE, D. CELI, P. CHEVALIER, M. DE MATOS and T. ZIMMER
 talk 4-2 M.S. ALAM and I. ALI
 talk 4-3 A. HAMANI, T.P. VUONG and M.C.E. YAGOUB
 talk 4-4 F. SBOUI, L. LASSAAD and A. GHARSALLAH

- chairwoman : Fayrouz HADDAD, IM2NP, Marseille, France*
 Design of Silicon On-Wafer Sub-THz Calibration Kit
 A Two Stage Low Noise Amplifier (LNA) with 2.90dB Noise Figure, 34.0dB Gain, +23.27dBm IIP3 and PDC =11.5 mW for 60GHz Wireless Receiver
 A 77 GHz High Power and Gain Transformer-Coupled Amplifier in CMOS FD-SOI 28 nm
 A Dual-Band Frequency Reconfigurable SIW, Cavity-Backed Antenna for X-Band Applications

• Session 5 : Antennas and Telecommunication Systems

- talk 5-1 A. OKBA, A. TAKACS, H. AUBERT, A. BELLION and D. GRENANA
 talk 5-2 A. FARAHAHAKHSH, D. ZARIFI and H. ORAZI
 talk 5-3 M. BISWAS, K. PATRA, S. CHATTERJEE and B. GUPTA
 talk 5-4 M. BOUSLAMA, R. HERZI, A. GHARSALLAH and T.A. DENIDNI

- chairman : Pierre SABOUROUX, Institut Fresnel, Marseille.*
 A Wideband and Compact Circularly-Polarized Rectenna for Low Power Application
 Miniaturization of Patch Antennas by Curved Edges
 Slotted Half Hexagonal Patch Antenna for Compact Multiband Operation
 3D Reconfigurable Frequency Selective Surface antenna for beam-switching applications

• Session 6 : Propagation, Scattering and Diffraction -2

- talk 6-1 B. STOUT, E. LASSALLE, R. MCPHEDRAN, R. COLOM and N. BONOD
 talk 6-2 A. ABUDABBOUSA, J. SARRAZIN, P. De DONCKER and A. BENLARBI-DELAI
 talk 6-3 S. CHATERJEE, T.K. DAS and B. GUPTA
 talk 6-4 C. KARPUZ, A.K.GORUR and O. INAN

- chairman : Mohamed ESSAIDI, Mohamed 5 University, Rabat, Morocco*
 Resonant State expansions of interactions between particles and electromagnetic radiation
 Multicarrier Technique-Based Super-Resolution TDOA Estimation
 Harmonic Suppression in In-line Parallel-Coupled Microstrip Bandpass Filter by Minkowski Fractals
 Fuzzy Logic Models for Edge Coupled Coplanar Waveguides

Technical Program

• **Session 7 : Microwave-Media interactions**

talk 7-1	G. MONTI V. De PAOLIS, L. CORCHIA and L. TARRICONE
talk 7-2	K. M. RAHMAN and N. HAKEM
talk 7-3	Z. TROUDI, L. OSMAN and L. LATRACH
talk 7-4	M. TRAIJ, M. BOUSLAMA, A. GHARSALLAH and T.A. DENIDNI
talk 7-5	T. LETERTRE, P. POULIGUEN and P. SABOUROUX

chairman : Philippe DESCAMPS, Normandie Université ENSICAEN, France

Electromagnetic Compatibility Analysis of a WPT Link for Rechargeable Pacemakers
Outage probability of Full duplex Relay in OLOS Underground Mine Environments
Bandpass Filter Based on New Spiral Hexagonal Split Ring Resonator
A Flexible Frequency Selective Surface for Beam-switching applications
Studies of the behavior of the permittivity in microwave region of solid materials according to the temperature variation

Thursday, November 30, 2017

• **Session 8 : Microwave Components, Internet IoT**

talk 8-1	F. HADDAD, I. GHORBEL, W. RAHAJANDRAIBE, A. SLIMANE, S. TRAICHE and R. TOUHAMI
talk 8-2	R. KOUKI, A. BOE, T. VANTROYS, F. BOUANI
talk 8-3	A. ANEJA, X.J. LI and B.E. LI
talk 8-4	B. CSEPPENTO, T. BERCELI, A. NAGY and A-L BILLABERT

chairwoman : Marina DENG, IMS, Bordeaux, France

Sub-1mW RF Voltage Controlled Oscillator Design Optimization for IoT
IoT Predictive Application for a DC Motor Systems using Radio Frequency links
Design of Continuously Tunable Low Noise Amplifier for Multiband Radio
A multiplier-type microwave FET mixer

• **Session 9 : Antennas and Energy Harvesting**

talk 9-1	H. OZDEMIR and T. NESIMOGLU
talk 9-2	D. OUESLATI, L. LAADHAR, H. RMILLI, A. DOBAIE and J-M. FLOCH
talk 9-3	S. MIRMOHAMMADI, Z. K. DALASM, S. HASHEMI
talk 9-4	G.L. GRAGNANI and S. BERGAMASHI

chairman : M'hamed DRISSI, INSA, Rennes

A Wideband Fractal Antenna and Comparison of RF Rectifiers for Electromagnetic Energy Harvesting
Experimental Study of Natural Fractal Antennas based on a Tree-Leaf geometry
Dipole Antenna Based on Forward-Coupling Multilayer Ring Resonators (MRR)
Wide-band Nanoantenna for Optical and Infrared Energy Harvesting

• **Session 10 : Microwave Metrology, Measurement Techniques -2**

talk 10-1	M. LATIFA, M.K. AZIZI, L. LATRACH and A. GHARSALLAH
talk 10-2	C. AVCI, E.O. GUNES and B.Y. YARMAN
talk 10-3	D.L. LUONG, D. VINCENT, E. PISTONO, F. PODEVIN, P. FERRARI, H. ISSA and D. KADDOUR

chairman : Abderraouf MESSAI, Université des frères Mentouri, Constantine, Algeria

modeling resonator with integrated lumped element Using Iterative Method With auxiliary source
Design and Implementation of Ultra Wide Band Digital Phase Shifter Cells on a Silicon Substrate
Slow-Wave Microstrip Lines on a Structured PCB with Bed-of-Nails: application to a Branch-Line Coupler in PCB Technology

Technical Program

POSTERS : November 28-30, 2017

A. ASHRAFIAN, D. ZARIFI and H. ORAIZI	A Broadband Transition From Microstrip to Groove Gap Waveguide For Ka-Band Applications
M. BEN AYOUB, E. GEORGIN, J-F. ROCHAS and P. SABOUROUX	Dielectric measurement study of illite and kaoliniteclay using capacitive technique
N. CHAGTMI, N. BOULEJFEN and F. GHANNOUCHI	Conception of a Dual-band Six-port Based Reflectometer
K. HAMZE, E. De LEDINGHEN, D. PASQUET, P. DESCAMPS	Comparison between Calibration Standards Using Straight and Bended CPW's
R. HERZI, M. BOUSLAMA, L. OSMAN and A. GHARSALLAH	Design of a compact antipodal Vivaldi antenna with band-rejected characteristic
K. JANISZ, K. WINCZA and S. GRUSZCZYNSKI	Differential lumped-element Wilkinson power divider for use in MMIC systems
M. KANOUN, D. CORDEAU, J-M. PAILLOT, H. MNIF and M. LOULOU	5.9 GHz High Sensitivity Rectenna for Low Power Wireless Transmission Application
K. LAAFIF, M. BOUSLAMA and A. GHARSALLAH	Pattern Reconfigurable Antenna Design for for 5G mobile communication systems
C. LENZI, M. PASIAN, M. BOZZI, L. PERREGRINI and S. CAORSI	MM-Waves Modulated Gaussian Pulse Radar Breast Cancer Imaging Approach Based on Artificial Neural Network: Preliminary Assessment Study
B. E. LI, X. LIN, X. J. LI and A. ANEJA	Design of Ink-Printed RFID Tags for Electronic Article Surveillance Systems
M.A. MERICHE, A.MESSAI, B. HAMMACHE and T.A. DENIDNI	X-shaped Circularly Polarized Aperture Coupled Antenna for WLAN
Sihem. MISSAOUI and Sayed. MISSAOUI	Microwave Tunable SIW Filter With Liquid Crystals
M.A. MOUTAOUEKKIL, C. TAYBI, A.ZIYYAT and D. PICARD	The effect of metal braces on antenna parameters and the SAR distribution of the head exposed to popular cellular frequency
M. NASRI, D. ZARIFI and H. ORAIZI	Design of a Ku-band Filter Based on Groove Gap Waveguide Technology
A. NOUAINIA and T. AGUILI	MoM-GEC Method For Electromagnetic Study: Reflector antenna Application
W. OBAID and A-K. HAMID	Hexa-Band CPW Bow-Tie Aperture Antenna and its Wi-Fi (2.4 GHz) applications
P. PATEL and M. ERRAMSHETTY	New Wideband T-Shaped Perforated Dielectric Resonator Antenna
K. J. RAVIPRASAD and E. MALLIJARKUN	Regularized Inexact Newton Method for Microwave Reconstruction of Strong Scatterers
Md. S.I. RUBEL, N. KANDIL and N. HAKEM	Efficient Energy and Delay Clustering Protocol for Wireless Sensor Network (WSN)
J. SOROCKI, K. JANISZ, I. PERKARZ, S. GRUSZCZYNSKI and K. WINCZA	Low -Loss Wideband Bandpass Filters Using Semi-Distributed Unit Cells
R. WALI, L. OSMAN, T. RAZBAN and Y. MAHE	Tunable Power Divider With Varactors Based Schiffman Phase Shifters for Antenna Arrays Beam Steering
I. ZERROUK, H. KABBAJ, A. AMHARECH	FDTD analysis of incident field coupling to Printed Circuit Board conductors connected with diodes and MESFET: PSpice validation

For Posters Sessions :

All the posters will be exposed during 3 days of the symposium.

The dimensions of posters are A0 or A1.

The posters must be printed before arriving at the Symposium.