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..... <i>Galvanical Coupling for Data Transmission through the Human Body</i>	
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..... <i>A Navigation System for Visually Impaired</i>	
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..... <i>EMI Measurements from ESD between Charged Insulators</i>	
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.....		<i>Efficient Characterization of Magnetic Field Sources</i>
Matteo Bertocco, Fabrizio Dughiero, Cristiano Greggio, Elisabetta Sieni and Alessandro Sona		
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Jesus Angel Baro de la Fuente, Miguel Angel Perez Garcia, Juan Carlos Gonzalez Cueli and
Dionisio Cifuentes..... 1792
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..... *Automated Oxidase-Coupled Amperometric Microsensor with Integrated Electrochemical
Actuation System for Continuous Sensing of Saccharoids*
Yadunandana Yellambalase, Jongwon Park, Chang-Soo Kim, Minsu Choi and Nohpill Park.. 1795
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..... *Wavelet and Fourier analysis of short-term rabbit cardiovascular oscillation*
Gabriela Postolache, Octavian Postolache and Pedro Silva Girao 1801
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..... *A Resonant Measurement System for Characterization of Hysteresis Cycle in Soft Ferrites*
Romano Giannetti, Santiago Lizon-Martinez, Guilelrmo Robles and Bernardo Tellini 1808
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..... *Three-axes teslameter with integrated Hall probe free from the planar Hall effect*
Dragana Popovic, Sasa Dimitrijevic, Marjan Blagojevic, Pavel Kejik and Enrico Schurig..... 1812
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..... *TDR permittivity measurements of high dielectric constant films*
Jan Obrzut and Ryusuke Nozaki..... 1816
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..... *An Experimental Technique for Estimating the ESR and Reactance Intrinsic Value of Aluminium
Electrolytic Capacitors*
Acacio Amaral and Antonio Cardoso 1820
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..... *Tools for Multipoles Magnetic Metrology at SOLEIL*
Arnaud Madur, Fabrice Marteau, Chamseddine Benabderrahmane and Pascale Brunelle 1826

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Instrumentation and Prototype Develop. 3, Room: Nettuno #1 Room

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..... *A DVB-S2 Signal Generator with Forward Satellite Channel Impairments*
Panayiotis Savvopoulos and Theodore Antonakopoulos..... 1833
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..... *Development of a Fully Digital and Low Frequency NMR System for Polarization Measurement of
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Aktham Asfour, Jean-Noel Haycinthe and Jean-Louis Leviel 1839
..... 2:10PM
..... *A Novel Approach to Multilanguage Remote Teaching: Magnetic Measurement Experiment*
Drago Cmuk, Mladen Borsic and Rapuano Sergio..... 1844
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..... *Real-time phase noise meter based on ADSP Sharc processor*
Leopoldo Angrisani, Mauro D'Arco, Charles Greenhall and Rosario Schiano Lo Moriello..... 1850
..... 2:50PM
..... *Dedicated Instrumentation for Single-Electron Effects Detection in Si Nanocrystal Memories*
Calogero Pace, Felice Crupi, Salvatore Lombardo and Gino Giusi 1856

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Electrical and Power Measurements 2, Room: Nettuno #3 Room

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..... <i>Design and Application of a Field Mill as a High-Voltage DC Meter</i>	
Peter Tant, Bruno Bolsens, Tom Sels, Daniel Van Dommelen and Johan Driesen.....	1861
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..... <i>Reliable and Repeatable Power Measurements in DVB-T Systems</i>	
Leopoldo Angrisani, Domenico Capriglione, Luigi Ferrigno and Gianfranco Miele	1867
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..... <i>Optimal Placement of Measurement Devices in Electric Distribution Systems</i>	
Carlo Muscas, Fabrizio Pilo, Giuditta Pisano and Sara Sulis	1873
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..... <i>Measurement Technique for the Static Output Characterisation of High Current Power MOSFETs</i>	
Toni Lopez and Reinhold Elferich.....	1879
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..... <i>Definition of Power Quality Indices for DC Low Voltage Distribution Networks</i>	
Micaela Caserza, Andrea Mariscotti and Paolo Pinceti.....	1885

Automated Test, Robotics, Industrial Automation, and Mfg. 1, Room: Nettuno #4 Room

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.... <i>On a New Graph Theory Approach to Designing Zero-Aliasing Space Compressors for Built-In Self-Testing</i>	
Sunil R. Das, Altaf Hossain, Emil M. Petriu, Mansour H Assaf and Mehmet Sahinoglu.....	1890
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..... <i>Fault Detection and Diagnosis for Multi-Level Cell Flash Memories</i>	
Robert Martin, Wen-Ben Jone and Sunil Das.....	1896
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..... <i>Robot Position Identification by Actively Localizing Sound Beacons</i>	
Jie Huang, Satoshi Ishikawa, Michiko Ebana, Huakang Li and Qunfei Zhao.....	1908
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..... <i>Detection and Estimation of Nonlinear Distortions in Industrial Robots</i>	
Erik Wernholt and Svante Gunnarsson.....	1913

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..... <i>Two-Stage Differential Charge and Transresistance Amplifiers</i>	
Marco Massarotto, Alfonso Carlosena Garcia and Antonio J. Lopez-Martin	1920
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..... <i>IEEE 1588-based Synchronization System for a Displacement Sensor Network</i>	
Paolo Ferrari, Alessandra Flammini, Daniele Marioli and Andrea Taroni.....	1926
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..... <i>A Wireless Environmental Monitoring System Based on the IEEE 1451.1 Standards</i>	
Kang Lee and Eugene Song.....	1931

.....2:30PM
..... *High-speed complex admittance/permittivity needle probe for investigation of multiphase flows*
Marco Jose Da Silva, Falk Brueckner, Eckhard Schleicher and Uwe Hampel 1937

.....2:50PM
..... *A Novel Fiber-Optic Tapered Long-Period Bragg Grating Sensor for Pressure Monitoring*
Wojtek Bock, Jiahua Chen, Predrag Mikulic and Tinko Eftimov 1942

Thursday, April 27, 3:30PM-5:10PM

Chapters, Room: Nettuno #1 Room

Non-invasive Instrumentation and Measurement 1, Room: Nettuno #3 Room

.....3:30PM
..... *Non-invasive Testing of Quality of Pork Meat: Novel Planar Electromagnetic Sensors Based Approach*
Subhas Mukhopadhyay, Chinthaka Gooneratne and Gourab Sen Gupta 1947

.....3:50PM
..... *Synthetic Aperture Focusing Technique in High-Frequency Ultrasound Imaging to Locate Layer Delamination*
Stefan Rupitsch, Florian Maier and Bernhard Zagar 1953

.....4:10PM
..... *Innovative facilities for subsurface imaging*
Adriana Brancaccio, Giovanni Leone, Francesco Soldovieri and Rocco Pierri 1959

.....4:30PM
..... *Liquid Dielectric Property Determination Using Monopole Probes Operating At Microwave Frequencies*
Amer Zakaria, Anas Shatat, Nasser Qaddoumi and Mubarak Khalid 1963

.....4:50PM
..... *High Accuracy Disbond Thickness Estimation Scheme Employing Multiple-Frequency Near-Field Microwave Measurements*
Mohamed Abou-Khousa and Reza Zoughi 1967

Waveform Measurement, Analysis, & Generation, Room: Nettuno #4 Room

.....3:30PM
..... *A Bandwidth Extension Technique for Dynamic Characterization of Power Amplifiers*
David Wisell, Daniel Ronnow and Peter Handel 1972

.....3:50PM
..... *Synchronic filter based on switched capacitor filters for high stability phase-detectors systems.*
Gustavo J. Grillo, Miguel A. Perez and Aldo E. Florencias 1977

.....4:10PM
..... *Convergence of Least-Squares Multi-Harmonic Fitting Algorithm*
Pedro Ramos and Antonio Serra 1982

.....4:30PM
..... *Target Tracking In a Sensor Network Based on Particle Filtering and Power-Aware Design*
Yan Zhai, Mark Yeary and Jean-Charles Noyer 1988

Sensors, Transducers, Smart Sensors 2, Room: Nettuno #6 Room

.....3:30PM
..... *Temperature Compensation for a Piezoelectric Fibre-Optic Voltage Sensor*
Pawel Niewczas, Lukasz Dziuda, Grzegorz Fusiek and James McDonald 1994

.....3:50PM
..... *The application of a stochastic transducer for air flow measurement*
Vygantas Augutis and Marius Saunoris 1999

.....	4:10PM
..... <i>A Multi-Spectral Analog Photon Counting Readout Circuit for X-Ray Hybrid Pixel Detectors</i>	
Matteo Perenzoni, David Stoppa, Mattia Malfatti and Andrea Simoni	2003
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..... <i>Characterisation and Modelling of a Magnetic Biosensor</i>	
Teresa Almeida, Moises Piedade, Filipe Cardoso, Hugo Ferreira and Paulo Freitas	2007
.....	4:50PM
..... <i>A High Dynamic Range CMOS Interface for Resistive Gas Sensor Array with Gradient Temperature Control</i>	
Mattia Malfatti, Matteo Perenzoni, David Stoppa, Andrea Simoni and Andrea Adami	2013
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