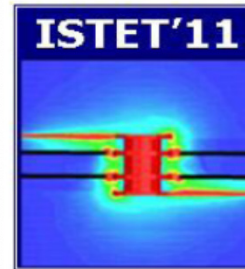


Joint Conference
3rd INDS'11 & 16th ISTET'11
THIRD INTERNATIONAL WORKSHOP ON NONLINEAR DYNAMICS AND SYNCHRONIZATION -- INDS'11
 &
SIXTEENTH INTERNATIONAL SYMPOSIUM ON THEORETICAL ELECTRICAL ENGINEERING -- ISTET'11

JULY 25 - 27, 2011
UNIVERSITY OF KLAGENFURT (KLAGENFURT; AUSTRIA)



ALPEN-ADRIA UNIVERSITÄT
 KLAGENFURT | WIEN GRAZ



Day 2: July 26th, 2011

Time	Location	Event	Session Chair
09:00 - 10:25	HS B	<u>Keynote:</u> From Huygens' odd sympathy to the energy extraction from the sea waves Prof. Tomasz Kapitaniak <i>(Technical University of Lodz, Poland)</i>	M. Horn
10:25 - 10:40	Foyer 1 st floor	Coffee break	
10:40 - 12:05	HS B	<u>Keynote:</u> Electronic circuits predict failure of prominent algorithms used in bioinformatics Prof. Ruedi Stoop <i>(ETH Zurich, Switzerland)</i>	M. Horn
12:05 - 12:15	HS B	Poster Teaser 2	K. Kyamakya
12:15 - 13:00	Foyer basement	Lunch	
Poster Session 2: Nonlinear Dynamics and Synchronization (NDS) & Presentation of DEMOS by "INTEL"			
13:00 - 13:30	Foyer 1 st floor	Chaotic Modulation based on the Combination of CPPM and CPWM Nguyen Xuan Quyen*; Vu Van Yem*; Thang Manh Hoang* <i>(*Hanoi University of Science and Technology, Vietnam)</i>	
		Extended radiography system for identification of defect position in three dimensions Wojciech Chlewicki*; Piotr Baniukiewicz*; Tomasz Chady*; Andrzej Brykalski* <i>(*West Pomeranian University of Technology, Poland)</i>	
		Implementation of Chaotic Pulse-Position Modulation on FPGA Nguyen Tien Dat*; Thang Manh Hoang* <i>(*Hanoi University of Science and Technology, Vietnam)</i>	

		<p>Determining the Range of the Active and Reactive Power in AC Interval Parameter Circuits</p> <p>Lubomir Kolev <i>(Technical University of Sofia, Bulgaria)</i></p>
		<p>Hard-Coupled Modeling of Induction Shrink Fit to Gas-Turbine Active Wheel</p> <p>Václav Kotlan*; Pavel Karban*; Bohus Ulrych*; Ivo Dolezel~; Pavel Kus~ <i>(*University of West Bohemia, Czech Republic; ~ Czech Technical University, Czech Republic)</i></p>
13:30 - 13:45	Foyer 1st floor	Coffee break
Parallel Sessions P3 and P4		
15 minutes presentation + 5 minutes discussion	<p>P3: Electromagnetics and Electrical Engineering - 2 (EEE-2)</p> <p>HS B</p> <p>H. Buchachia</p>	<p>P4: Applications of Nonlinear Dynamics, chaos and Synchronization (A-NDS)</p> <p>HS C</p> <p>I. Sim</p>
13:45 - 14:05	<p>Oepomo's Algorithm for Computing Eigenvalue in System Engineering</p> <p>Tedja S Oepomo <i>(West LA, LA Harbor Colleges, California International University and National University, USA)</i></p>	<p>Study of the PM₁₀ Pollution Using Signal Analysis Methods</p> <p>Krzystof Siwek*; Stanislaw Osowski*; Bartosz Swiderski~ <i>(*Warsaw University of Technology, Poland; ~University of Life Sciences, Poland)</i></p>
14:05 - 14:25	<p>Output-to-Spectrum Assignment Algorithm for a LTE Cognitive Radio Filter Bank</p> <p>Thomas Schlechter <i>(Alpen-Adria University Klagenfurt, Austria)</i></p>	<p>A Method for Validation the Limit Cycles of High Order Sigma-Delta Modulators</p> <p>Valeri Mladenov <i>(Technical University of Sofia, Bulgaria)</i></p>
14:25 - 14:45	<p>Analysis of Square Coaxial Lines by using Equivalent Electrodes Method</p> <p>Alenka Milovanovic*; Branko Koprivica* <i>(*University of Kragujevac, Serbia)</i></p>	<p>Stability Analysis of Recurrent Neural Networks with Time-Varying Activation Functions</p> <p>Mohamad Mostafa*; Werner G. Teich*; Jürgen Lindner* <i>(*University of Ulm, Germany)</i></p>

14:45 - 15:05	<p>Ground impedance of cylindrical metal plate buried in homogeneous earth</p> <p>Slavko Vujević*; Zdenko Balaz~; Dino Lovrić*</p> <p><i>(*University of Split, Croatia; ~Croatian Motorways Ltd., Croatia)</i></p>	<p>Computer-Aided Extraction of Small-Signal Model Parameters of Heterojunction Bipolar Transistors</p> <p>Elissaveta Gadjeva*; Marin Hristov*</p> <p><i>(*Technical University of Sofia, Bulgaria)</i></p>
15:05 - 15:20	Foyer 1st floor	Coffee break
15:20 - 15:40	<p>Analysis and Comparison of the Analytical and Experimental methods modeling the Electrostatic Field</p> <p>Simona Filipova-Petrakieva*; Kiril Stoykov*; Valeri Mladenov*</p> <p><i>(*Technical University Sofia, Bulgaria)</i></p>	<p>Intelligent System for Radiogram Analysis - software application</p> <p>Ryszard Sikora*; Tomasz Chady*; Piotr Baniukiewicz*; Przemyslaw Lopato*; Lech Napierala*; Tomasz Pietruszewicz*; Grzegorz Psuj*</p> <p><i>(*West Pomeranian University of Technology, Szczecin, Poland)</i></p>
15:40 - 16:00	<p>Waveguide flange's shape optimization in microwave enhanced infrared landmines' detection</p> <p>Barbara Szymanik*; Stanislaw Gratkowski*</p> <p><i>(*West Pomeranian University of Technology, Poland)</i></p>	<p>Higher Order Sigma-Delta Modulator Loopfilter Paralel From Representation In Z And S Domain</p> <p>Georgi Tsenov*; Valeri Mladenov*</p> <p><i>(*Technical University of Sofia, Bulgaria)</i></p>
16:00 - 16:20	<p>Fully Time-Domain Simulation of Multiconductor Transmission Line Systems</p> <p>Lubomír Brančík*; Bretislav Sevcík*</p> <p><i>(Brno University of Technology, Czech Republic)</i></p>	<p>Toward Ultrasound Detection of Acoustic Windows for Transcranial Doppler Ultrasound and related</p> <p>Tony Souza-Daw*; Thang Manh Hoang~; Tien Dzung Nguyen~</p> <p><i>(*RMIT Vietnam, Vietnam; ~Hanoi University of Science and Technology, Vietnam)</i></p>
16:20 - 16:40	<p>Equations of Electrodynamics - Final Essence of EM Phenomena</p> <p>Branko Mišković</p> <p><i>(Independent, Serbia)</i></p>	<p>Non-intrusive Car Driver's Emotion Recognition Using Thermal Camera</p> <p>Abhiram Kolli*; Alireza Fasih*; Fadi Al Machot* ; Kyandoghene Kyamakya*</p> <p><i>(*Alpen-Adria University Klagenfurt, Austria)</i></p>
16:40 - 17:00	Foyer 1st floor	Cold Beer Session