
ELMAR-2010 SYMPOSIUM GENERAL INFORMATION

52nd International Symposium ELMAR-2010 is organised by:

- *Croatian Society Electronics in Marine - ELMAR, Zadar*
- *Department of Wireless Communications,
Faculty of Electrical Engineering and Computing, University of Zagreb*

ELMAR-2010 symposium will be held at hotel "Donat" and hotel "Funimation", Borik, Zadar.
Address: Majstora Radovana 7, 23000 Zadar, Croatia.

ELMAR-2010 symposium GENERAL SPONSOR

TANKERSKA PLOVIDBA, ZADAR



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- *Faculty of Electrical Engineering and Computing, University of Zagreb*
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ELMAR-2010 symposium is supported by:

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- *Falkensteiner Borik Zadar Croatia*



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**ELMAR-2010 SYMPOSIUM
SPECIAL SESSIONS**

Special Session 1: "Increasing Autonomy in Underwater Intervention Systems"
Organizer: *Pedro J Sanz*, Spain

Special Session 2: "3D Scene Reconstruction"
Organizers: *Margrit Gelautz* and *Wilfried Kubinger*, Austria

Special Session 3: "GNSS Design and Applications - GNSS Receiver Technology"
Organizers: *José-Ángel Ávila-Rodríguez* and *Matteo Paonni*, Germany

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ELECTRONICS IN MARINE - ELMAR**

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ELMAR-2010 PROGRAM

Wednesday, 15 September 2010

09:00 - 09:30 Registration		
HALL A		
09:30 - 10:00 OPENING SESSION: Welcome Speeches		
10:00 - 10:30 WELCOME COCKTAIL		
10:30 - 12:30 PLENARY SESSION: Keynote Talks		
12:30 - 14:00 Lunch Break		
HALL A	HALL B	HALL C
14:00 - 15:30 SESSION: Image and Video Processing 1	14:00 - 15:30 SESSION: Navigation Systems	14:00 - 15:30 SESSION: Wireless Communications 1
15:30 - 16:00 Coffee Break		
16:00 - 17:30 SESSION: Image and Video Processing 2	16:00 - 17:30 SPECIAL SESSION: GNSS Design and Applications - GNSS Receiver Technology	16:00 - 17:30 SESSION: Wireless Communications 2
18:00 - 21:00 GUIDED ZADAR SIGHTSEEING <u>Meeting Point:</u> Hotel "Funimation", Main Entrance, 18:00		
21:00 ELMAR-2010 SYMPOSIUM DINNER (with cocktail and concert) Hotel "Funimation" Restaurant		

ELMAR-2010 PROGRAM

Thursday, 16 September 2010

HALL A	HALL B	HALL C
9:00 - 10:30 SESSION: Image and Video Processing 3	9:00 - 10:30 SPECIAL SESSION: 3D Scene Reconstruction	9:00 - 10:30 SESSION: Wireless Communications 3
10:30 - 11:00 Coffee Break		
11:00 - 12:30 SESSION: Image and Video Processing 4	11:00 - 12:30 SESSION: Telecommunications 1	11:00 - 12:30 SESSION: Antennas and Propagation
13:00 - 21:00 EXCURSION BY SHIP (lunch and dinner included) <u>Meeting Point:</u> Hotel "Funimation", Main Entrance, 12:30		

Friday, 17 September 2010

HALL A	HALL B	HALL C
9:00 - 10:30 SESSION: Image and Video Processing 5	9:00 - 10:30 SPECIAL SESSION: Increasing Autonomy in Underwater Intervention Systems	9:00 - 10:30 SESSION: Power Electronics and Automation
10:30 - 11:00 Coffee Break		
11:00 - 12:30 SESSION: Image and Video Processing 6	11:00 - 12:30 FP7 - TRIDENT Project Meeting	11:00 - 12:30 SESSION: Ship Electronic Systems
12:30 - 14:00 Lunch Break		
14:00 - 16:30 SESSION: Telecommunications 2	14:00 - 16:30 FP7 - TRIDENT Project Meeting	14:00 - 16:30 SESSION: Speech and Audio Processing

Wednesday, 15 September 2010

09:00 - 09:30 **Registration**

HALL A

Wednesday, 15 September 2010

09:30 - 10:00 **OPENING SESSION: Welcome Speeches**

Session Chair: **Branka Zovko-Cihlar, Viljem Jerič**

10:00 - 10:30 **WELCOME COCKTAIL**

10:30 - 12:30 **PLENARY SESSION: Keynote Talks**

Session Chair: **Krešimir Delač**

**Prof. Lajos Hanzo, School of Electronics and Computer Science,
University of Southampton; UNITED KINGDOM**
Telepresence, the 'World-Wide Wait' and 'Green' Radios...

**Dr. Michael M. Bronstein, Department of Computer Science,
Technion - Israel Institute of Technology, Haifa; ISRAEL**
Non-rigid, non-rigid, non-rigid world

**Dr. Mikel M. Miller, Munitions Directorate, Air Force Research Laboratory,
Eglin Air Force Base, Florida; USA**
Got GPS? The Navigation Gap

**Dr. Panos Liatsis, Information and Biomedical Engineering Centre,
School of Engineering and Mathematical Sciences, City University London;
UNITED KINGDOM**
3D reconstruction and stenosis quantification in CT angiograms

12:30 - 14:00 **Lunch Break**

14:00 - 15:30 **SESSION: Image and Video Processing 1**

Session Chair: **Krešimir Delač**

Jelena Bozek, Mislav Grgic, Kresimir Delac; CROATIA
Comparative Analysis of Interpolation Methods for Bilateral Asymmetry

Mario Mustra, Mislav Grgic, Kresimir Delac; CROATIA
Feature Selection for Automatic Breast Density Classification

Ivan Drnasin, Mislav Grgic; CROATIA
The Use of Mobile Phones in Radiology

Jarmila Pavlovičová, Miloš Oravec, Michal Osadský; SLOVAKIA

An Application of Gabor Filters for Texture Classification

Moein Lak, AmirMohamad Soleimani Yazdi; IRAN

Corner Sharpening With Modified Harris Corner Detection to Localize Eyes in Facial Images

Huiyu Zhou, Gerald Schaefer; UNITED KINGDOM

Semantic Features for Face Recognition

15:30 - 16:00 **Coffee Break**

16:00 - 17:30 **SESSION: Image and Video Processing 2**

Session Chair: **Krešimir Delač**

Romulus Terebes, Sorin Pop, Monica Borda, Cosmin Ludusan, Olivier Lavialle; ROMANIA / FRANCE

3D Image Restoration using Diffusion and Fusion Techniques

Alvin Abdagic, Omer Tanovic, Abdulah Aksamovic, Senad Huseinbegovic; BOSNIA AND HERZEGOVINA

Counting Traffic Using Optical Flow Algorithm on Video Footage of a Complex Crossroad

Vaclav Riczny, Tomas Kratochvil, Martin Slanina; CZECH REPUBLIC

Attainable Dynamic Range of CCD Image Sensors

Mohamed Naouai, Melki Narjess, Atef Hamouda; TUNISIA / FRANCE

Line Recognition Algorithm Using Constrained Delaunay Triangulation

Miran Gosta, Mislav Grgic; CROATIA

Accomplishments and Challenges of Computer Stereo Vision

Dejan Šeatović, Hansjörg Kutterer, Thomas Anken; SWITZERLAND / GERMANY

Automatic Weed Detection and Treatment in Grasslands

18:00 - 21:00 **GUIDED ZADAR SIGHTSEEING**
Meeting Point: Hotel "Funimation", Main Entrance, 18:00

21:00 **ELMAR-2010 SYMPOSIUM DINNER (with cocktail and concert)**
Hotel "Funimation" Restaurant

14:00 - 15:30 **SESSION: Navigation Systems**

Session Chair: **Tomislav Kos**

Elias N. Malamas, Nikolaos Petrakis; GREECE

A Software Platform for Real-Time Assessment of Ship Maneuverability

Gennady A. Kaloshin; RUSSIA

Laser Navigational Lights

Boris Vassilev, Boriana Vassileva; BULGARIA

Some EGNOS Performance Results in the Context of Aircraft Navigation

Pieter Reyneke, Norman Morrison, Derrick Kourie, Corne de Ridder; SOUTH AFRICA

Smoothing Irregular data using Polynomial Filters

Tomislav Kos, Ivan Markezic, Josip Pokrajcic; CROATIA

Effects of Multipath Reception on GPS Positioning Performance

15:30 - 16:00 **Coffee Break**

16:00 - 17:30 **SPECIAL SESSION:
GNSS Design and Applications - GNSS Receiver Technology**

Session Chair: **Matteo Paonni**

Andrea Emmanuele, Marco Luise; ITALY

Fundamental Limits in Signal Time-Of-Arrival Estimation with Application to Next-Generation Satellite Positioning

Carsten Stöber, Marco Anghileri, Ayse Sicramaz Ayaz, Dominik Dötterböck, Isabelle Krämer, Victoria Kropp, Jong-Hoon Won, Bernd Eissfeller, Daniel Sanroma Güixens, Thomas Pany; GERMANY

ipexSR: A Real-Time Multi-Frequency Software GNSS Receiver

Letizia Lo Presti, Davide Margaria, Jaron Samson; ITALY / THE NETHERLANDS

A Novel Peer to Peer Aided Acquisition Strategy Tailored to Galileo E1 Receivers

Michal Pflieger, Josef Špaček; CZECH REPUBLIC

Real-time EGNOS Monitoring

Jean-Luc Issler, Felix Perozans, Y. Tawk, A. Jovanovic, Cyril Botteron,

P-A. Farine, René Jr. Landry, Mohamed Sahnoudi, Veronique Dehant,

Alessandro Caporali, Serge Reboul; FRANCE / SWITZERLAND / BELGIUM / ITALY

Universal-SBAS: A Worldwide Multimodal Standard

18:00 - 21:00 **GUIDED ZADAR SIGHTSEEING**
Meeting Point: Hotel "Funimation", Main Entrance, 18:00

21:00 **ELMAR-2010 SYMPOSIUM DINNER (with cocktail and concert)**
Hotel "Funimation" Restaurant

14:00 - 15:30 **SESSION: Wireless Communications 1**

Session Chair: **Sonja Zentner Pilinsky**

Emil Dunic, Sonja Grgic, Gordan Sisul; CROATIA
Simulation Model for the Evaluation of DVB-T System Parameters

Ladislav Polák, Tomáš Kratochvíl; CZECH REPUBLIC
Simulation of DVB-H Transmission in Gaussian and Fading Channels

Kresimir Sakic, Sonja Grgic; CROATIA
The Influence of the LTE System on DVB-T Reception

**Cornelia-Ionela Bădoi, Victor Croitoru, Neeli Prasad, Ramjee Prasad;
ROMANIA / DENMARK**
HC-IPSAG and GC-IPSAG Algorithm Proposals: Cluster based IPSAG Algorithm
Variations for large Cognitive Radio Networks

Gianmarco Baldini, David Shaw, Franc Dimc; ITALY / SLOVENIA
A Communication Monitoring System to Support Maritime Security

Ervin Zentner, Sonja Zentner Pilinsky; CROATIA
Intermodulation Product Suppression in OFDM System Amplifiers

15:30 - 16:00 **Coffee Break**

16:00 - 17:30 **SESSION: Wireless Communications 2**

Session Chair: **Sonja Zentner Pilinsky**

Borivoj Modlic, Gordan Sisul, Robert Nagy, Mario Cvitkovic; CROATIA
Simple Model of Downlink Multi-Hop Channel in Fixed WiMAX

Pamela Begovic, Mesud Hadzialic, Anida Sarajlic; BOSNIA AND HERCEGOVINA
Proposal for the Methodology of Planning and Evaluation of the Economic Viability
for Fixed WiMAX Systems

Michal Sestrienka, Miloš Oravec, Jarmila Pavlovičová; SLOVAKIA
Simulation of Physical Layer and Medium Access Control Sublayer in IEEE 802.11x
Networks

Evtim Peytchev, Grisha Spasov, Velislava Spasova; UNITED KINGDOM / BULGARIA
Internet-based Information Flow in Mobile Systems and their Application in Traffic
Monitoring Ad Hoc Networks

Péter Kántor, János Bitó; HUNGARY
Adaptive Video Transmission over Multilink Networks

18:00 - 21:00 **GUIDED ZADAR SIGHTSEEING**
Meeting Point: Hotel "Funimation", Main Entrance, 18:00

21:00 **ELMAR-2010 SYMPOSIUM DINNER (with cocktail and concert)**
Hotel "Funimation" Restaurant

Thursday, 16 September 2010

HALL A

Thursday, 16 September 2010

09:00 - 10:30 **SESSION: Image and Video Processing 3**

Session Chair: **Sonja Grgić**

Ivan Kaštelan, Mihajlo Katona, Vukota Peković, Velibor Mihić; SERBIA
Automated Functional Verification of Digital Television Systems using Camera

Ognjen Nemčić, Snježana Rimac-Drlje, Mario Vranješ; CROATIA
Multiview Video Coding Extension of the H.264/AVC Standard

Srećko Kunić; CROATIA
A Television Broadcast of the Inauguration of the Croatian President

Damir Šoštarić, Davor Vinko, Snježana Rimac-Drlje; CROATIA
Power Consumption of Video Decoding on Mobile Devices

Jasmin Ćosić, Miroslav Bača; BOSNIA AND HERZEGOVINA / CROATIA
Steganography and Steganalysis - Does Local Web Sites Contain "Stego" Contents?

10:30 - 11:00 **Coffee Break**

11:00 - 12:30 **SESSION: Image and Video Processing 4**

Session Chair: **Sonja Grgić**

Lenka Krulíková, Juraj Pavlovič, Jaroslav Polec, Zuzana Černeková; SLOVAKIA
Abrupt Cut Detection Based on Mutual Information and Motion Prediction

Muhammad Akram, Ebroul Izquierdo; UNITED KINGDOM
Selective Block Search for Surveillance Centric Motion Estimation

Magy Kandil, May Salama, Samia Rashad; EGYPT
Fire Detection Using a Dynamically Developed Neural Network

Huiyu Zhou, Gerald Schaefer; UNITED KINGDOM
Non-rigid Object Tracking

13:00 - 21:00 **EXCURSION BY SHIP** (lunch and dinner included)
Meeting Point: Hotel "Funimation", Main Entrance, 13:00

09:00 - 10:30

SPECIAL SESSION: 3D Scene ReconstructionSession Chairs: **Margrit Gelautz and Wilfried Kubinger****Radim Sara; CZECH REPUBLIC**How To Teach Stereoscopic Matching? - **INVITED PAPER****Peter Einramhof, Markus Vincze; AUSTRIA**

Stereo-based Real-time Scene Segmentation for a Home Robot

Ji-Ho Cho, Sung-Yeol Kim, Kwan H. Lee; REPUBLIC OF KOREA / USA

MPEG-4-Based 3D Video Contents Creation Method using Time-of-Flight Sensor for 3DTV

Kristian Ambrosch, Martin Humenberger; AUSTRIA

Parameter Optimization of the SAD-IGMCT for Stereo Vision in RGB and HSV Color Spaces

Christoph Sulzbachner, Juergen Kogler, Florian Eibensteiner; AUSTRIA

A Novel Verification Approach for Silicon Retina Stereo Matching Algorithms

10:30 - 11:00

Coffee Break

11:00 - 12:30

SESSION: Telecommunications 1Session Chair: **Pavol Podhradský****Irena Petrijevčanin Vuksanović, Bojan Sudarević; CROATIA**

Migration Process and Data Modeling in National and University Library in Creating ILS

Pavol Pohradský, Juraj Londák, Mária Čačíková; SLOVAKIA

Application of ICT in Pre-school Education

Pavol Podhradský, Peter Trúchly, Tomáš Zeman, Jaromír Hrad;**SLOVAKIA / CZECH REPUBLIC**

Multimedia ICT in Vocational Training

Gilberto González-Soriano, César Ortega-Corral, Salvador González-Vázquez,**Alfonso Maeda-Martínez; MÉXICO**

Remote Web Monitoring and Activation of an Experimental On-off Dissolved Oxygen Concentration Control Model Applied to Aquaculture Tanks

Shkelzen Cakaj, Mickey Fitzmaurice, Jesse Reich, Eric Foster; KOSOVO / USA

Uplink Interference Identification for Low Earth Orbiting (LEO) Search and Rescue Satellites

13:00 - 21:00

EXCURSION BY SHIP (lunch and dinner included)Meeting Point: Hotel "Funimation", Main Entrance, 13:00

09:00 - 10:30

SESSION: Wireless Communications 3Session Chair: **Borivoj Modlic****Venceslav Kafedziski, Slavche Pejovski; REPUBLIC OF MACEDONIA**

Optimization of Video Transmission on MIMO Channels using Outage Probability

Valery Korzhik, Viktor Yakovlev, Guillermo Morales-Luna, Dmitry Ovechkin, Yury Kovajkin; RUSSIA / MEXICO

Wireless Secret Key Sharing Based on the Use of a Variable-directional Antenna Over Multipath Channels

Uroš Pešovič, Jože Mohorko, Žarko Čučej; SLOVENIA

Upgraded OPEN-ZB 802.15.4 Simulation Model

Jaroslav Polec, Ján Pochtavek, Juraj Pavlovič, Lenka Krulikovská; SLOVAKIA

Cascade of Markov Models for Packet Loss and Subsequent Bit Error Description

Dario Bojanjac, Robert Nađ, Gordan Šišul; CROATIA

Ray Tracing Model of Pedestrian Urban Zone

10:30 - 11:00

Coffee Break

11:00 - 12:30

SESSION: Antennas and PropagationSession Chair: **Antonio Šarolić****Damir Senić, Antonio Šarolić; CROATIA**

Simulation of Slanted Shipboard VHF Antenna Radiation Pattern

Zlatko Živković, Antonio Šarolić; CROATIA

Gain and Antenna Factor Measurements of Broadband Biconical Dipole in the GTEM Cell

Željka Bešić, Ljiljana Tralić, Darko Barešić, Andrea Klanjac, Biljana Tanatarec, Dina Šimunić; CROATIA

Variation of Electromagnetic Field Exposimetry Results due to Human Presence

13:00 - 21:00

EXCURSION BY SHIP (lunch and dinner included)Meeting Point: Hotel "Funimation", Main Entrance, 13:00

Friday, 17 September 2010

HALL A

Friday, 17 September 2010

09:00 - 10:30 **SESSION: Image and Video Processing 5**

Session Chair: **Snježana Rimac-Drlje**

Stephane Paris; FRANCE

Wavelet-based Euclidean Distance for Image Quality Assessment

Michal Mardiak, Jaroslav Polec; SLOVAKIA

Novel Method for Objectively Measuring Video Quality

Andela Zaric, Matej Loncaric, Dijana Tralic, Maja Brzica, Emil Dumic, Sonja Grgic; CROATIA

Image Quality Assessment - Comparison of Objective Measures with Results of Subjective Test

Muhammad Kashif Samee, Juergen Goetze; GERMANY

Blind Equalization Using Reversible Watermarking

Gerald Schaefer, Matthew Stuttard; UNITED KINGDOM

Image Browsing for Efficient Image Annotation

Ante Poljicak, Lidija Mandic, Darko Agic, Maja Strgar Kurecic; CROATIA

The Influence of Watermark Properties on the Quality of a Watermarked Image

10:30 - 11:00 **Coffee Break**

11:00 - 12:30 **SESSION: Image and Video Processing 6**

Session Chair: **Snježana Rimac-Drlje**

Aleksej Avramović, Branimir Reljin; SERBIA

Gradient Edge Detection Predictor for Image Lossless Compression

Luís Coelho, Luis A. Da Silva Cruz, Lino Ferreira, Pedro A. Assunção; PORTUGAL

An Improved Sub-optimal Video Summarization Algorithm

Codruta Orniana Ancuti, Cosmin Ancuti, Philippe Bekaert; BELGIUM / ROMANIA

Guiding Visual Attention in Grayscale Images for Auditory Substitution Systems

Cosmin Ancuti, Codruta Orniana Ancuti, Philippe Bekaert; BELGIUM / ROMANIA

A Patch-Based Approach to Restore Videos Using Additional Stills

Radovan Ridzoň, Dušan Levický, Tomáš Kanócz; SLOVAKIA

Information Hiding Within Still Images Based on the DCT Coefficients Flipping and Encryption

Martin Slanina, Tomas Kratochvil, Vaclav Ricny; CZECH REPUBLIC

Robustness of Compressed High Definition Video to Transmission Packet Loss

12:30 - 14:00 **Lunch Break**

14:00 - 16:30 **SESSION: Telecommunications 2**

Session Chair: **Pavol Podhradský**

Denis Duka, Lovre Hribar; CROATIA

Fault Slip Through Measurement in Software Development Process

Lovre Hribar, Denis Duka; CROATIA

Weibull Distribution in Modeling Component Faults

Edvin Skaljo, Nasuf Hadziahmetovic, Cevdet Akyel;

BOSNIA AND HERZEGOVINA / CANADA

Impact of Broadcast, Multicast and Unknown Unicast at Low Speed DSL Connections Based at SHDSL

Ciprian-Leonard Pitu, Carmen-Melinda Blendea, Radu Campeanu; ROMANIA

Proof-of-Concept for a Novel Management Mobility Framework for Point to Point Radio Communication in Wireless Networks

Slavko Šimundić, Siniša Franjić, Tihomir Sušić; CROATIA

Databases and Computer Crimes

Milutin Radonjic, Igor Radusinovic; MONTENEGRO

Average Latency and Loss Probability Analysis of Crosspoint Queued Crossbar Switches

Suada Hadžović, Fikret Kasumagić, Narcis Behlilović; BOSNIA AND HERZEGOVINA

Passive and Active Access Methods in NGA

Adnan Huremović, Mesud Hadžialić, Melisa Šeper, Ajla Halilović, Maja Šulović,

Darijo Raca; BOSNIA AND HERZEGOVINA

Measurement-based Emulation of Equivalent IP Traffic Source

Bastian Huntgeburth, Sebastian Schumann, Juraj Londák; GERMANY / SLOVAKIA

Voice over IP (VoIP) Speech Quality Measurement with Open-Source Software Components

Juraj Matejka, Ondrej Lábaj, Juraj Londák, Pavol Podhradský; SLOVAKIA

VoIP Protection Techniques

09:00 - 10:30

**SPECIAL SESSION:
Increasing Autonomy in Underwater Intervention Systems**Session Chair: **Pedro J. Sanz****Pedro J Sanz, Mario Prats, Pere Ridao, David Ribas, Gabriel Oliver, Alberto Ortiz;
SPAIN**

Recent Progress in the RAUVI Project: A Reconfigurable Autonomous Underwater Vehicle for Intervention

Giuseppe Casalino, Alessio Turetta, Claudio Melchiorri; ITALY

Guidelines for a Distributed Functional and Algorithmic Control Architecture for Underwater Free-flying Multi-manipulators

Yvan Petillot, Francesco Maurelli; UNITED KINGDOM

A Tree-based Planner for Active Localisation: Applications to Autonomous Underwater Vehicles

Marco Morgado, Paulo Oliveira, Carlos Silvestre; PORTUGAL

Experimental Evaluation of a USBL Underwater Positioning System

10:30 - 11:00

Coffee Break

11:00 - 12:30

FP7 - TRIDENT Project Meeting (contact: Pedro J. Sanz)

12:30 - 14:00

Lunch Break

14:00 - 16:30

FP7 - TRIDENT Project Meeting (contact: Pedro J. Sanz)

09:00 - 10:30

SESSION: Power Electronics and AutomationSession Chair: **Antonio Šarolić****Jasmin Velagic, Nedim Osmic, Emir Zunic, Tarik Uzunovic, Almir Badnjevic;
BOSNIA AND HERZEGOVINA**

Design of 3D Simulator for 2DOF Helicopter Model Control

**Jasmin Velagic, Nedim Osmic, Kemal Lutvica, Nihad Kadic;
BOSNIA AND HERZEGOVINA**

Incubator System Identification and Temperature Control with PLC & HMI

Branko Blanusa, Petar Matic, Branko Dokic; BOSNIA AND HERZEGOVINA

New Hybrid Model for Efficiency Optimization of Induction Motor Drives

Amir Firoozshahi; IRAN

Intelligent Monitoring of Water Treatment Plant in Large Gas Refinery

Amir Firoozshahi; IRAN

Innovative Tank Management System based on DCS

10:30 - 11:00

Coffee Break

11:00 - 12:30

SESSION: Ship Electronic SystemsSession Chair: **Antonio Šarolić****Marin Stipanov, Zdravko Eškinja, Dražan Skelin; CROATIA**

MAREA - Maritime Environment Monitoring System

Renato Ivče, Irena Jurdana, Đani Mohović; CROATIA

Parametric Roll Monitoring with an Integrated Ship's System

Ivica Kuzmanić, Igor Vujović; CROATIA

Oil Spill Detection in SAR Images Using Wavelets and Morphology

Rossano Codeluppi, Alessandro Golfarelli, Alessandro Rossetti,**Paolo Proli, Alessandro Talamelli, Marco Tartagni; ITALY**

A Sensor Network for Real-Time Windsail Aerodynamic Control

12:30 - 14:00

Lunch Break

14:00 - 16:30

SESSION: Speech and Audio ProcessingSession Chair: **Gregor Rozinaj****Nazeeh Alothmany, Robert Boston, Ching Li, Susan Shaiman, John Durrant;
SAUDI ARABIA / USA**

Classification of Visemes Using Visual Cues

Gordan Kreković, Vladimir Prenner; CROATIA

A Complete Croatian Language Text-to-Speech System

Eugen Lupu, Simina Emerich; ROMANIA

Speaker Identification Approach Based On Time Domain Extracted Features

Emir Sokic, Melita Ahic-Djokic, Samim Konjicija; BOSNIA AND HERZEGOVINA

Sound Field Simulation and Analysis Using Wave Equation and Finite Differences Method

Martin Turi Nagy, Gregor Rozinaj; SLOVAKIA

Compression of a Slovak Speech Database Using Harmonic, Noise and Transient Model

Zuzana Dedíková, Jozef Čepko; SLOVAKIA

Modifying the S2 Low-level Speech Synthesis Engine for More Intelligible Output

Anna Kondelova, Jan Toth, Gregor Rozinaj; SLOVAKIA

Analysis of Prosody Features in Slovak

Ján Kőrösi, Juraj Vojtko, Gregor Rozinaj; SLOVAKIA

Statistic Evaluation of Various Speech Parameters for Phonemes in Slovak Language

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