

## 6th Workshop 'NDT in Progress' Prague - Pruhonice, 10 - 12 October 2011

Preliminary Program (situation - October 03, 2011)

Time	Session	Event
	<b>Monday 10 Oct 2011</b>	
08:30 - 17:00		<b>REGISTRATION</b>
11:00 - 11:30		<b>Workshop opening</b>
11:30 - 12:00	B	DOS SANTOS S. <i>Improvement of Time Reversal (TR) based Nonlinear Elastic Wave Spectroscopy (NEWS) methods with a phononic cavity</i>
12:00 - 12:30	B	YAMANAKA K. <i>Two-dimensional analysis of subharmonic ultrasound generation at closed cracks by damped double nodes</i>
12:30 - 13:00	B	CHEONG Y. <i>Variation of Localized Nonlinear Acoustic Parameters around a Crack Tip by a Laser Doppler Vibrometry</i>
13:00 - 14:00		Lunch
14:00 - 14:30	A	SARGENT J. <i>Corrosion detection in welded steel plates using Lamb waves</i>
14:30 - 15:00	A	KARABUTOV A.A. (JR.) <i>Contact Laser-Ultrasonic Evaluation of Isotropic Pyrocarbon</i>
15:00 - 15:30	A	TORRES ARREDONDO M.A. <i>A Study of Attenuation and Acoustic Energy Anisotropy of Lamb Waves in Multilayered Anisotropic Media for NDT and SHM applications</i>
15:30 - 16:00	A	JEE H.S. <i>The characteristic of type-II gas tank with artificial defect by analysis of acoustic emission parameters + poster No.: 38</i>
16:00 - 16:30		Coffee break
16:30 - 17:00	G	PREVOROVSKY Z. <i>Structural Health Monitoring in aerospace and civil engineering supported with two ultrasonic NDT methods - AE and NEWS</i>
17:00 - 17:30	G	PAVELKO V. <i>Structural health monitoring of aircraft structure by method of electromechanical impedance</i>
17:30 - 18:00	G	HEIDA J.H. <i>Evaluation of non-destructive inspection methods for composite aerospace structures</i>
19:30 - 22:00		Welcome party in Vojanuv Dvur - Prague
	<b>Tuesday 11 Oct 2011</b>	
09:00 - 09:30	E	SCHUBERT F. <i>A New Model-Based Approach for Ultrasonic Testing of Dissimilar Welds</i>
09:30 - 10:00	E	CASTAINGS M. <i>The use of SH-like guided waves to infer shear modulus of an adhesive bond between a stiffener and a plate</i>
10:00 - 10:30	E	KLEINERT W. <i>Novel conventional and phased array angle beam probes with the same DGS accuracy as flat circular straight beam probes</i>
10:30 - 11:00		Coffee break
11:00 - 11:30	E	KROFTA J. <i>Numerical simulation of small crack detection by nonlinear elastic wave spectroscopy</i>
11:30 - 12:00	E	RICHTER R. <i>Numerical method for active thermography for reconstruction of the back wall geometry</i>
12:00 - 12:30	D	SFARRA S. <i>Non-destructive testing (NDT) methods used for the study of stone frescoes</i>
12:30 - 13:30		Lunch
13:30 - 14:00	D	HIRSEKORN S. <i>Micro- and Nanostructure Characterization and Imaging of TWIP and Unalloyed Steels</i>
14:00 - 14:30	D	CHENG Q. <i>Quantitative Characterization of Surface and Subsurface Topography of an Optical Nano-Film/Substrate Using Scanning Probe Acoustic Microscopy</i>
14:30 - 15:00	D	HANNESSCHLÄGER G. <i>Optical coherence tomography as a tool for non destructive quality control of multi-layered foils</i>
15:00 - 15:30	D	MEOLA C. <i>Investigation of Impact Damage in Glass Fiber Reinforced Polymer with Infrared Thermography</i>
15:30 - 16:00		Coffee break
16:00 - 16:30	D	BURGHOLZER P. <i>Information loss in non-destructive imaging described by stochastic processes: diffusion or dissipation limited spatial resolution</i>
16:30 - 17:00	D	KANG M. <i>Effect of orientation and size of silicon single crystal to Electro-Ultrasonic Spectroscopy</i>
17:00 - 17:30	D	KAOUANE C. <i>Using NDE applications for assessment of pavement conditions: Tools for public services</i>
17:30 - 19:00	H	Poster session <i>Short oral presentations of posters</i>
19:30 - 22:00		Social event in Floret Congress Center Pruhonice
	<b>Wednesday 12 Oct 2011</b>	
09:00 - 09:30	F	DUVAUT P. <i>Automatic and Circumferential Oriented Detection (ACOD) for Pipeline Intelligent Inspection</i>
09:30 - 10:00	C	GRIMBERG R. <i>Ground Penetrating Radar as tool for nondestructive evaluation of soil</i>
10:00 - 10:30	C	PARK D. <i>Effect of a Probe's Position in Eddy Current Testing during Stainless-Steel Tube Examination</i>
10:30 - 11:00		Coffee Break
11:00 - 13:00		General discussion & Workshop closure

Note: This Programme is only preliminary and eventual changes may be done during the workshop ([zp@it.cas.cz](mailto:zp@it.cas.cz))

## Posters - Section H

Paper No.	First author	
26	BETTAYEB F	<i>Ultrasound NDT signal analysis with matter microstructure data display</i>
23	DOS SANTOS S.	<i>Optimization of coded excitations with symmetry analysis: formalism and bio-NDT applications</i>
50	FAROVA Z.	<i>Experimental signal deconvolution in acoustic emission identification setup</i>
67	CHLADA M.	<i>Detection of AE sources during long-term fatigue tests of riveted aircraft wing flange</i>
38	JEE H.S.	<i>Acoustic emission source location of type - II composite pressure vessel with artificial defect</i>
25	JOTHI RAJAN M.A.	<i>Experimental determination of thermal diffusion parameters for SolidPoly (Methyl Acrylate) by photoacoustic amplitude measurements</i>
56	KOBER J.	<i>Nondestructive evaluation of corrosion damage of Al-alloys by in-situ AE monitoring and nonlinear elastic wave spectroscopy testing</i>
39	KORENSKA M.	<i>New approach to evaluate building material structure damage via Nonlinear Ultrasonic Spectroscopy</i>
52	KUS V.	<i>Euclidean L-2 measure used in PM space density identification of material structure</i>
59	LEE J.Y.	<i>Evaluation of metal weld-zone by using Poisson's ratio distribution</i>
57	NACEREDDINE N.	<i>Invariant shape features and relevance feedback for weld defect image retrieval</i>
65	NOHAL L.	<i>Investigation of fatigue process in aluminium alloys using nondestructive methods</i>
58	PARK Y.K.	<i>Lamb waves in an anisotropic plate of a single crystal silicon wafer</i>
34	PAVELKO V	<i>Application of fatigue crack open effect for aircraft structural health monitoring</i>
62	ROZANSKI L	<i>The use of dynamic IR thermography and wavelet analysis in NDT</i>
10	SAVIN A.	<i>High frequency eddy current testing</i>
12	SAVIN A.	<i>Resonant ultrasound upectroscopy: application to noninvasive examination of some medical prosthesis</i>
14	SFARRA S.	<i>Holographic interferometry (HI) and active infrared thermography (IRT) for the non-destructive assessment of esteemed hand-painted ceramic sample panels</i>
28	SKRAMLIK J.	<i>Interaction of microwave radiation with wet porous material</i>
66	ZAVESKY M.	<i>Geodetic iterative methods for nonlinear acoustic sources localization: Application to cracks effects detected with acoustic emission</i>