

MONDAY, 4th SEPTEMBER

18.00 – 20.00	REGISTRATION
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TUESDAY, 5TH SEPTEMBER

8.00 – 16.00	REGISTRATION	
9.00 – 9.30	WELCOME AND OPENING ADDRESS <i>Lecture Room MEDITERANEA</i>	
	KEYNOTE LECTURE <i>Lecture Room MEDITERANEA</i>	
9.30 – 10.00	SIGNAL PROCESSING FOR NONLINEAR NDT AND ACOUSTIC EMISSION: NEW TRENDS FOR FUTURE STANDARDIZATION <i>Dr. Serge Dos Santos, Dr. Giuseppe Nardoni</i>	
	SESSION 1: ULTRASONIC / ACOUSTIC EMISSION TESTING 1 <i>L. Room MEDITERANEA</i>	
10.00 – 10.20	TIME REVERSAL LOCALIZATION OF CONTINUOUS AND BURST ACOUSTIC EMISSION UNDER NOISE BACKGROUND <i>Zdenek Prevorovsky, Josef Krofta, Jan Kober, Milan Chlada</i>	
10.20 – 10.40	THEORETICAL AND EXPERIMENTAL STUDIES OF GUIDED WAVES PROPAGATION IN DRY AND ONE-SIDE IMMERSED WAVEGUIDES WITH SURFACE INHOMOGENEITIES <i>M.V. Golub, J. Moll, A.N. Shpak, P. Malinowski, T. Wandowski, W.M. Ostachowicz</i>	
10.40 – 11.00	UNDERSTANDING THE PROPAGATION OF GUIDED ULTRASONIC WAVES IN UNDamAGED COMPOSITE PLATES <i>Bibi I.S., Murat, P. Fromme</i>	
11.00 – 11.20	COFFEE BREAK & POSTER SESSION	
	SESSION 2: ULTRASONIC / ACOUSTIC EMISSION TESTING 2 <i>L. Room MEDITERANEA</i>	
11.20 – 11.40	SAFETY, QUALITY AND RELIABILITY – ULTRASOUND IMPLEMENTATION <i>Jovan Jovanović, Željko Dobranović, Danko Dobranović</i>	
11.40 – 12.00	ULTRASONIC C-SCAN TESTING OF EPOXY/GLASS FIBER COMPOSITE <i>Zoran Bergant, Joseph Janez, Janez Grum</i>	
12.00 – 12.20	STANDARDS FOR ACOUSTO-MECHANICAL EVALUATION OF MULTISCALE HYSTERETIC PROPERTIES OF COMPLEX MATERIAL WITH NONLINEAR TIME REVERSAL IMAGING <i>Serge Dos Santos, Martin Lints, Denis Arruga, Ali Masood, Andrus Salupere</i>	
12.20 – 12.40	DEVELOPMENT OF AN EDUCATION AND TRAINING PROGRAMME TO TEST PIECES BY MEANS OF TOFD AND PHASED ARRAY TECHNIQUES <i>R. Rodriguez, J. Gallardo, B. Romero, E. Romero</i>	
12.40 – 13.00	FEASIBILITY OF AN ACOUSTIC EMISSION BASED STRUCTURAL HEALTH MONITORING FOR RAILWAY AXLE UNDER FRETTING FATIGUE DAMAGE <i>Michele Carboni, Andrea Gianneo</i>	
13.00 – 14.00	LUNCH	
	SESSION 3: RADIOGRAPHY <i>Lecture Room MEDITERANEA</i>	SESSION 4: COMPOSITES 1 <i>Lecture Room PHAROS</i>
14.00 – 14.20	ON THE WAY TO DIGITAL RADIOGRAPHY <i>Brigitta Kelenföldi, József Harnisch</i>	CRACK PROFILE RECONSTRUCTION OF CFRP-CFRP BONDED JOINTS FROM OPTICAL BACKSCATTER REFLECTOMETRY AND COMPARISON WITH X-RAY COMPUTED TOMOGRAPHY <i>Andrea Gianneo, Michele Carboni, Andrea Bernasconi</i>
14.20 – 14.40	A NEW IMAGE PROCESSING TOOL FOR DETECTION OF DEFECTS IN RADIOGRAPHIC IMAGES <i>C. Harmansah, N. Seylan, V. Sozeri, F.Z. Biber Muftuler, M. Karatay, A. Dogru</i>	THE EVALUATION OF THE SURFACE ENERGY OF THE LIGNOCELLULOSES COMPOSITE EXPOSED TO UV RADIATION <i>Mariana Doornika Stanciu, Rozina Steigmann, Cristina Valcea</i>
14.40 – 15.00	RAY-TRACING CAMERA MODEL FOR PRECISE THREE-DIMENSIONAL MEASUREMENTS USING A PRISM-BASED ENDOSCOPIC PROBE <i>A.V. Gorevoy, A.S. Machikhin</i>	THE EVALUATION OF VISCO-ELASTIC BEHAVIOUR OF COMPOSITES REINFORCED WITH GLASS FIBERS SUBJECTED TO COMPRESSION <i>M.D. Stanciu, H. D. Teodorescu, D. Roşu, R. Steigmann, G.S. Dobrescu, A. Savin</i>
15.00 – 15.20	AUTOMATED REMOTE COMPUTER MONITORING OF ENVIRONMENTALLY HAZARDOUS PRODUCTS <i>Kovshov Evgeny, Kosach Alisa</i>	EDDY CURRENT NOTEBOOK AND SMARTPHONE APPS <i>Gerhard Mook, Yury Simonin</i>
15.20 – 15.40	MORE EFFECTIVE AND SAFER DETECTION MEDIA APPLICATION IN MAGNETIC PARTICLES INSPECTION <i>Y.Yaremko</i>	ANALYSIS OF CONSTRUCTIONAL CONCRETE BY THE ACOUSTIC EMISSION METHOD ON MULTIPLE LOADING <i>Michela Haduláková, Libor Topolář, Jaroslav Smutný, Luboš Pazdera, Karel Mikulášek</i>
15.40 – 16.00	COFFEE BREAK & POSTER SESSION	
	SESSION 5: MAGNETIC TESTING 1 <i>Lecture Room MEDITERANEA</i>	SESSION 6: COMPOSITES 2 <i>Lecture Room PHAROS</i>
16.00 – 16.20	TECHNOLOGICAL STATUS OF LED TECHNIQUES - APPLICATION IN NON DESTRUCTIVE TESTING WITH SPECIAL EMPHASIS ON MAGNETIC PARTICLE, PENETRANT, VISUAL AND THERMOGRAPHIC INSPECTION <i>Rainer Link, Andrej Ivankov, Nathanael Riess</i>	QUALITATIVE MEASUREMENT OF MOISTURE ABSORPTION IN GFRP UTILIZING ELECTROMAGNETIC INDUCTION <i>Wataru Matsunaga, Koichi Mizukami, Yoshihiro Mizutani, Akira Todoroki, Yoshiro Suzuki</i>
16.20 – 16.40	NONDESTRUCTIVE MONITORING OF PEARLITE DEGRADATION IN MEDIUM CARBON STEELS BY MAGNETIC BARKHAUSEN NOISE METHOD <i>C. Hakan Gür</i>	MONITORING TECHNIQUES OF YTTRIA STABILIZED ZIRCONIA USED AS THERMAL BARRIER COATING <i>A.Savin, M.L. Crous, V. Turchenko, F. Novy, A.C. Mocanu, M. Soare, J. Grum, O.S. Doroshkevich</i>
16.40 – 17.00	EVALUATION OF THREE POINT BENDING TEST ON DIFFERENT FINE-GRAINED COMPOSITES USING ACOUSTIC EMISSION METHOD <i>L. Pazdera, L. Topolář, J. Smutný, M. Haduláková, K. Mikulášek</i>	REVEALING THE STRESSES-NEW APPROACH FOR INDUSTRIAL SAFETY, RELIABILITY AND RESIDUAL LIFE ASSESSMENT <i>Isaac Einav</i>
17.30	EXCURSION + DINNER	

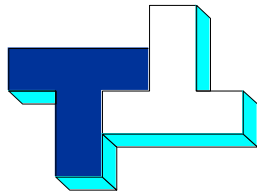
WEDNESDAY, 6TH SEPTEMBER

8.00 – 16.00	REGISTRATION
	KEYNOTE LECTURE <i>Lecture Room MEDITERANEA</i>
8.30 – 9.00	NOVEL MONITORING TECHNOLOGY FOR ROTATING MACHINERY AND STRUCTURES <i>L. Gelman</i>
	SESSION 7: EDDY CURRENT <i>Lecture Room MEDITERANEA</i>
9.00 – 9.20	APPLICATION OF DOUBLE DIFFERENTIAL TYPE EDDY CURRENT PROBES FOR GAS TURBINE COMPONENT INSPECTION <i>G. Nardoni, V. Uchanin, P. Nardoni</i>
9.20 – 9.40	EDDY CURRENT METHOD FOR EVALUATION OF STRESSES IN STEEL COMPONENTS <i>V. Uchanin, S. Minakov, G. Nardoni, O. Ostash, M. Bentaglio</i>
9.40 – 10.00	NEW EDDY CURRENT ONE-CHANNEL ARRAY PROBE FOR EFFICIENT INSPECTION OF TUBE FORGINGS <i>V. Uchanin, G. Nardoni, P. Nardoni, M. Bentaglio</i>
10.00 – 10.20	NEW POSSIBILITIES ON TRAINING OF NDT PERSONNEL <i>H. Ilker Yelbay, C. Hakan Gür, Ertuğrul Yılmaz</i>
10.20 – 10.40	NEW ADVANCES ON STRESS MONITORING IN FERROMAGNETIC STEELS <i>Evangelos Hristoforou, Aphrodite Ktena, Polyxeni Vourni, Eleni Mangiorou</i>
10.40 – 11.00	COFFEE BREAK & POSTER SESSION
	SESSION 8: ACOUSTIC EMISSION 1 <i>Lecture Room MEDITERANEA</i>
11.00 – 11.20	INVESTIGATION OF FATIGUE CRACK GROWTH ON MATERIAL FOR REACTOR PRESURE VESSEL BY ACOUSTIC EMISSION <i>Václav Svoboda, František Zemlička</i>
11.20 – 11.40	CONDITION MONITORING OF PNEUMATIC CYLINDERS BY ACOUSTIC EMISSION <i>Houssam Mahmoud, Pavel Mazal, Frantisek Vlasic, Miroslav Jana</i>
11.40 – 12.00	INFLUENCE OF MEDIA DEGRADATION ON THE ANALYSIS OF ACOUSTIC EMISSION SIGNALS <i>L. Calabrese, M. Galeano, E. Proverbio, D. Di Pietro, A. Donato, F. Cappuccini</i>
12.00 – 12.20	CRACK DETECTION IN INJECTION MOLDS <i>Tomaž Kek, Dragan Kusić, Janez Grum</i>
12.20 – 12.40	IDENTIFICATION OF MACROSCOPIC LATERAL DAMAGES IN RC SLABS WITH RAINY INDUCED ELASTIC WAVEACTIVITY <i>T. Shiotani, T. Nishida, H. Asaue, K. Hashimoto, H. Takamine, K. Watabe, M. Fukuda,</i>
12.40 – 13.00	
13.00 – 14.00	LUNCH
	SESSION 9: ACOUSTIC EMISSION 2 <i>Lecture Room MEDITERANEA</i>
14.00 – 14.20	APPLICATION OF ACOUSTIC EMISSION TO PREDICT CORROSION <i>Mohamad Ghazi Droubi, Nadimul Haque Faisal</i>
14.20 – 14.40	ACOUSTIC EMISSION DURING QUENCHING OF STEEL <i>Bor Mojšker, Tomaž Kek, Janez Grum</i>
14.40 – 15.00	INFLUENCE OF LIFT OFF EFFECTS ON MAGNETIC BARKHAUSEN NOISE MEASUREMENTS PERFORMED WITH A COMPACT SENSOR UNIT <i>Boštjan Pečnik, Roman Šturm, Janez Grum</i>
15.00 – 15.20	
15.20 – 15.40	COFFEE BREAK & POSTER SESSION
	SESSION 10: ACOUSTIC EMISSION 2 <i>Lecture Room MEDITERANEA</i>
15.40 – 16.00	DAMAGE ASSESSMENT OF NOVEL PRE-FABRICATED CONCRETE ELEMENTS BASED ON ACOUSTIC EMISSION MEASUREMENTS AND KAISER/FELICITY EFFECT ANALYSIS <i>Tsangouri Eleni, G. Livitsanos, O. Remy, D.G. Aggelis</i>
16.00 – 16.20	ULTRASONIC TESTING AND MAGNETIC MEMORY METHOD FOR INSPECTION OF DAMAGE IN HYSTERETIC DAMPERS SUBJECTED TO CYCLIC LOADING <i>Chihab Abarkane, David Gale-Lamuela, Elisabet Suarez, Antolino Gallega, Amadeo Benavent-Climent, Václav Svoboda, Eva Svobodová</i>
16.20 – 16.40	ACOUSTIC EMISSION SOURCE LOCALIZATION BASED ON EXACT GEODESIC CURVES (WITH APPLICATION TO WATERING CAN) <i>Petr Galis, Václav Kús, Milan Chlada</i>
16.40 – 17.00	COFFEE BREAK & POSTER SESSION
	SESSION 11: NDT General <i>Lecture Room MEDITERANEA</i>
17.00 – 17.20	OPTICAL DETECTION OF SHORT COLLISION TIMES <i>J. Rus, T. Požar, R. Petkovšek</i>
17.20 – 17.40	PIEZOELECTRIC DETECTION OF CAVITATION THRESHOLD IN CONTROL VALVES <i>T. Požar, Ž. Pirc and R. Petkovšek</i>
17.40 – 18.00	DEVELOPMENTS IN 2D AND CT X-RAY INSPECTION OF LIGHT ALLOY CASTINGS FOR PRODUCTION <i>Jan Schache, Dr. Oliver Brunke</i>
18:20 – 18:40	COMPUTER TOMOGRAPHY HAS ARRIVED IN AN AUTOMATED INSPECTION PROCESS COMBINING MATERIAL AND GEOMETRY ANALYSES <i>Nikita Fedorov, Benjamin Becker</i>
18.00 – 18.20	CONCLUSION

POSTER SESSION	
NONDESTRUCTIVE EVALUATION OF WELD PART OF POLYETHYLENE PIPES BY MICROWAVE <i>J. S. Lee, H.T. Lim, K.B. Kim, Y.I. KIM</i>	SHAPE RECOGNITION AND SIZING OF PLANAR CRACK FROM TIP DIFFRACTION ECHOES BY USING PHASED ARRAY ULTRASONIC TEST INSTRUMENT <i>Kim Young-Gil, Wonjae Choi, Kibok Kim</i>
ULTRASONIC DISBOND DETECTION IN ADHESIVE JOINTS <i>Bor Mojšker, Tomaž Kek, Janez Grum</i>	POSSIBILITIES OF AUTOMATIC INSPECTION ON THE HOLLOW AXLES <i>Viktor Jemec, Janez Gorše, Janez Grum</i>
RADIOLABELED QDOTS: AS A NEW MULTIFUNCTIONAL LIQUID PENETRANT SOLVENT <i>H. S. Sezgin, F. Z. Biber Muftuler, C. Ichedef, A. Y. Kilcar, C. Harmansah</i>	INVESTIGATION OF USABILITY OF FLUORESCENT AND RADIOLABELED LIQUID PENETRANT AS ANON- DESTRUCTIVE TESTING <i>M. Karatay, F. Z. Biber Muftuler, O. Kozgus Guldu, C. Harmansah</i>
INFLUENCE OF DETECTION ACCORDING TO MOISTURE DISTRIBUTION OF CFRP COMPOSITE SANDWICH PANELS USING INFRARED THERMOGRAPHY <i>HeeSang Park, ManYong Choi, JeongHak Park, KooAhn Kwon, HynChul Jung</i>	ANALYSIS OF ns-LASER PEENING EFFECT ON CORROSION BEHAVIOUR BY ACOUSTIC EMISSION <i>Uroš Trdan, Janez Grum</i>

Tuesday, 5 th September		CHAIRMAN
9.00 – 9.30	Welcome and opening address	R. Šturm, M. Carboni, E. Romero
9.30 – 10.00	Keynote lecture	
10.00 – 11.00	Session 1: Ultrasonic / acoustic emission testing 1	M. Carboni, E. Romero
11.20 – 13.00	Session 2: Ultrasonic / acoustic emission testing 2	M. Carboni, E. Romero
14.00 – 15.40	Session 3: Radiography	R. Link, C. H. Gür
14.00 – 15.40	Session 4: Composites 1	G. Mook, A. Savin
16.00 – 17.00	Session 5: Magnetic testing 1	R. Link, C. H. Gür
16.00 – 17.00	Session 6: Composites 2	G. Mook, A. Savin
Wednesday, 6 th September		
8.30 – 9.00	Keynote lecture	
9.00 – 10.40	Session 7: Eddy current	T. Shiotani, Z. Prevorsevsky
11.00 – 13.00	Session 8: Acoustic Emission 1	T. Shiotani, Z. Prevorsevsky
14.00 – 15.20	Session 9: Acoustic Emission 2	V. Svoboda, P. Mazal
15.40 – 16.40	Session 10: Acoustic Emission 3	A. Gallego, P. Mazal
17.00 – 18.40	Session 11: NDT general	A. Gallego, T. Kek

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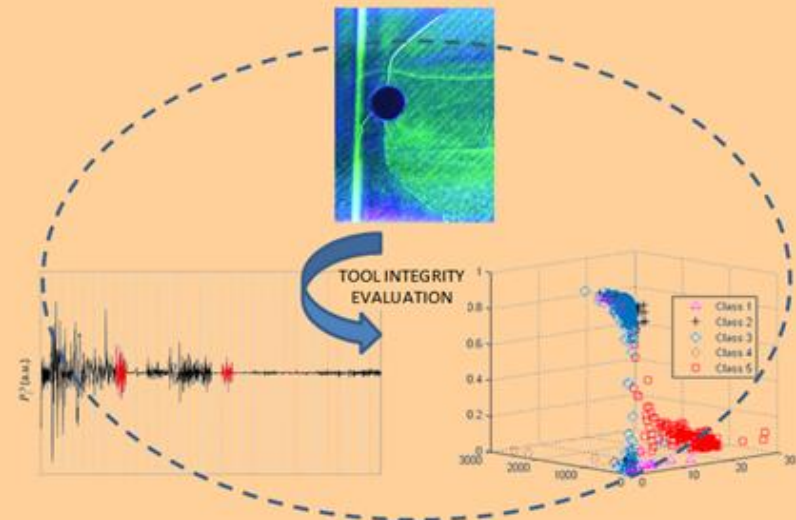
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PROGRAMME



St. Bernardin / Portorož, 4 - 6 September 2017, SLOVENIA