



Wednesday 12 September 2018

Welcome-Registration

Time: 8:30 - 9:30

Date: 12th September 2018

Conference Opening

Auditorium

Time: 9:30 - 10:00

Date: 12th September 2018

Keynotes

Auditorium

Time: 10:00 - 11:00

Date: 12th September 2018

42 - Acoustic emission method at the integrated structural health monitoring systems - the past, the present, the future

Igor Razuvaev

Alcor Corp., Dzerzhinsk, Russian Federation

86 - Acoustic emission work over the last 10 years and relationship with Industry 4.0

Mohammed CHERFAOUI

CETIM, Senlis, France

Break

Time: 11:00 - 11:20

Date: 12th September 2018

Poster Session-Short Presentation

Time: 11:20 - 12:20

Date: 12th September 2018

08 - Study of acoustic emission in gas pipeline leakage based on the Wavelet Packet Transform (WPT) and Principle Component Analysis (PCA)

Ali Bady¹, Mohamed El-Shaib¹, Mohamed Kotb², Ahmad Al-Kabbany¹

¹Arab Academy for Science, Technology & Maritime Transport, Alexandria, Egypt. ²Alexandria University, Alexandria, Egypt

16 - Acoustic emission energy for condition monitoring of RC waffle slab structures subjected to bidirectional ground seismic motions

Chihab Abarkane¹, Elisabet Suárez¹, Francisco Rescalvo¹, Amadeo Benavent-Climent², Antolino Gallego¹

¹Universidad de Granada, Granada, Spain. ²Universidad Politécnica de Madrid, Madrid, Spain

20 - Characterization of failure mechanisms in the wood-CFRP interface by means of acoustic emission during pull-off tests

Francisco J. Rescalvo, Antonio Aguilar-Aguilera, Chihab Abarkane, Elísabet Suárez, Antolino Gallego

University of Granada, Granada, Spain

28 - Features of acoustic emission in double-walled elements of vessels pressure in the presence of cracks

Igor Rastegaev¹, Alexey Chugunov²

¹Togliatty State University, Togliatty, Russian Federation. ²Profil' Ltd, Togliatty, Russian Federation

37 - Multiparametrical big data processing for acoustic monitoring

Alexey Samokhvalov

DIAPAC Ltd., Moscow, Russian Federation

44 - About new ae criteria of cracking in metal objects

Igor Razuvaev, Evgeny Suchkov

Alcor Corp., Dzerzhinsk, Russian Federation

47 - The Parameters of Acoustic Emission Signal Proposed to Identification of Damaged and Undamaged Cylinders

Vladislav Richter, Houssam Mahmoud, Pavel Mazal, Vendula Kratochvilova

Brno University of Technology, Brno, Czech Republic

50 - Reference installation for measuring and reproduction of amplitude of ultrasonic oscillations of solid body surface

Aleksandr Shulatov, Vladimir Panin, Viktor Baksheev, Vladimir Chomyakov

FSUE "VNIIFTRI" Far Eastern branch, Khabarovsk, Russian Federation

56 - Calibration of wideband acoustic emission sensors

Petr Benes¹, Jiri Fialka², Jakub Krejci²

¹Brno University of Technology, Brno, Czech Republic. ²Brno University of Technology, Brno, Czech Republic

58 - Identification of damages in composite materials during registration of acoustic emission signals by piezoelectric and fiber-optic sensors

Oleg Bashkov, Ilya Bashkov, Anton Bryansky, Tatiana Bashkova

Komsomolsk-on-Amur State University, Komsomolsk-on-Amur, Russian Federation

62 - FEM based simulation of acoustic emission monitoring on oil offshore pipelines

Héctor Calás, José Manuel Martin, Miguel Pelaez, Elena Cabellos

Tecnatom, Madrid, Spain

LUNCH - Buffet

Time: 12:20 - 13:40

Date: 12th September 2018

Monitoring in process- I

Auditorium

Time: 13:40 - 15:20

Date: 12th September 2018

46 - Damage Detection for Linear Pneumatic Actuators using Acoustic Emission

Houssam Mahmoud¹, Pavel Mazal¹, Frantisek Vlastic², Miroslav Jana³

¹Brno University of Technology, Brno, Czech Republic.

²Center of Technical Diagnostics - DAKEL, Brno, Czech Republic. ³Policske strojirny a.s., Policka, Czech Republic

66 - The results of experimental studies of the defect formation process in the friction stir welding process by acoustic emission

Kseniia Stepanova^{1,2}, Igor Kinzhagulov¹, Aleksei Fedorov¹, Denis Ashikhin¹

¹ITMO University, Saint Petersburg, Russian Federation. ²STC Etalon, Saint Petersburg, Russian Federation

19 - Combination of vibration analysis & Acoustic Emission measurements to better characterize damage and mechanical behavior of aerospace high speed gear box

Yoann HEBRARD¹, Alain PROUST², Mehdi BATEL³

¹SKF, Valence, France. ²MISTRAS Group, Sucy en Brie, France. ³MISTRAS Group, Sucy en Brie, France

Advanced Composites I

Room 7

Time: 13:40 - 15:20

Date: 12th September 2018

06 - Modelling of fiber break as Acoustic Emission Source in SFFT: comparison with experimental results

Zeina Hamam¹, Nathalie Godin¹, Claudio Fusco¹, Thomas Monnier²

¹Univ Lyon, INSA de Lyon, MATEIS UMR 5510, F-69621, Villeurbanne, France. ²Univ Lyon, INSA de Lyon, LVA EA677, F-69621, Villeurbanne, France

14 - Acoustic Emission Monitoring of Adhesively Bonded Wood Joints under Quasistatic and Cyclic Fatigue Mode II Flexure Loads using End-Notch-Flexure Specimens

Andreas J. Brunner¹, Gaspard Clerc², Peter Niemz²

¹Empa, Dübendorf, Switzerland. ²BFH, Bern University of Applied Sciences, Biel/Bienne, Switzerland

17 - Acoustic emission analysis during bending tests of timber beams reinforced with carbon fiber composite

Francisco Rescalvo, Chihab Abarkane, Elísabet Suárez, Antolino Gallego

University of Granada, Granada, Spain

22 - Characterization of particle impacts using acoustic emission

Eric Serris, Lorenzo Carrillo, Andrea Valentini

Mines Saint-Etienne, Saint-Etienne, France

35 - Acoustic emission for in situ monitoring of laser processing

Sergey shevchik, Tri Le Quang, Bastian Meylan, Kilian Wasmer

EMPA, Thun, Switzerland

23 - Frequency-Amplitude class of acoustic emission for different fracture mechanisms in C/SiC composite

Denghong Xiao¹, Yong Gao^{1,2}, Liang Jin¹, Fanchao Meng¹, Naitian Li¹, Xiaohong Zhou¹, Zongkai Tong¹, Bo Jiang³, Tian He²

¹Beijing Electro-Mechanical Engineering Institute, Beijing, China. ²Beihang University, Beijing, China. ³Shenyang Aerospace Xinguang Group Co., LTD, Shenyang, China

24 - Mechanical behavior and acoustic emission technique for detecting damage in C/SiC structure

Yong Gao^{1,2}, Liang Jin¹, Bo Jiang³, Zongkai Tong¹, Denghong Xiao¹, Xiaohong Zhou¹, Naitian Li¹, Fanchao Meng¹

¹Beijing Electro-Mechanical Engineering Institute, Beijing, China. ²Beihang University, Beijing, China. ³Shenyang Aerospace Xinguang Group Co., LTD, Shenyang, China

Break

Time: 15:20 - 15:40

Date: 12th September 2018

Monitoring metallic structures

Auditorium

Time: 15:40 - 17:20

Date: 12th September 2018

27 - Study of a steel railway bridge with defects under various load conditions

Maren Nowak¹, Igor Lyasota², Ireneusz Baran¹

¹Office of Technical Inspection, Cracow, Poland.

²Cracow University of Technology, Cracow, Poland

29 - Damage monitoring on a steel truck trailer using parameter-based analysis of acoustic emissions

Joao Vitor Pimentel¹, Rolf Klemm¹, Munip Dalgic², Andree Irretier², Karl-Ludwig Krieger¹

¹University of Bremen, Institute of Electrodynamics and Microelectronics (ITEM), Bremen, Germany.

²Leibniz Institute for Materials Engineering (IWT), Bremen, Germany

31 - Data processing and interpretation at AE monitoring

Tatiana Petersen, Alexey Samokhvalov, Wenceslaus Chernigovski, Dmitry Kurnosov

DIAPAC Ltd., Moscow, Russian Federation

49 - Structural health monitoring using acoustic emission on metallic components in industrial plants

Gerald Lackner, Heribert Marihart, Gert Schauritsch

TÜV AUSTRIA, Vienna, Austria

Advanced Composites II

Room 7

Time: 15:40 - 17:20

Date: 12th September 2018

26 - Dynamic Acoustic Emission for the Characterization of the Nonlinear Behavior of Composite Materials

Xiaoyang YU¹, Mourad Bentahar¹, Silvio Montresor¹, Charfeddine Mechri^{1,2}

¹LAUM, Le Mans, France. ²CTTM, Le Mans, France

55 - The influence of source depth and source-to-sensor distance on the AE signal characteristics of damaging events in thin-walled CFRP laminates

Benjamin Kelkel, Julia Vogtmann, Martin Gurka

Institut für Verbundwerkstoffe, Kaiserslautern, Germany

57 - Acoustic Emission behaviour on CFRP with curved fibers

Yoshihiro Mizutani¹, Takeshi Ashizawa¹, Nobuyuki Toyama², Akira Todoroki¹

¹Tokyo Tech., Tokyo, Japan. ²AIST, Tsukuba, Japan

63 - Experimental investigation of the damage mechanisms in interlock reinforced composites based on ae data analysis

Mohamed KHARRAT¹, Gurvan MOREAU², Zoheir ABOURA³

¹Mistras group, Sucy-en-Brie, France. ²Safran Composites, Itteville, France. ³University of Technology of Compiègne, COMPIEGNE, France

51 - Acoustic Emission Testing on a rail bridge

Heribert Marihart, Gerald Lackner, Michael Posch

TÜV AUSTRIA, Vienna, Austria

73 - Use of ae for characterization of damage mechanisms in composite accumulator

Oriane COLAS¹, Christophe BRIANÇON¹, Catherine HERVE², Alain HOUSSAIS³

¹CETIM, Nantes, France. ²CETIM, Senlis, France.

³PARKER OLAER, Colombes, France

Bus Departure for Gala evening at Royaumont Abbey

Time: 17:45 - 22:00

Date: 12th September 2018

Thursday 13 September 2018

Monitoring process- II

Auditorium

Time: 9:00 - 10:20

Date: 13th September 2018

72 - Monitoring of stamping by acoustic emission (AE)

Abdelkrim SAIDOUN, Catherine HERVE

CETIM, Senlis, France

79 - Advanced condition monitoring system using acoustic emission and vibration analysis technique

Dong-Hyun Kim

Rectuson, Co., LTD., Chang Won, Korea, Republic of

74 - In-situ control of additive manufacturing process by acoustic emission

Guillaume PERRIN¹, Jonathan FRECHARD², Philippe VERLET³, Christophe GROSJEAN⁴, Daniel MAISONNETTE⁴, Julien DELGADO¹, Fan ZHANG¹

¹CETIM, Senlis, France. ²(b) BeAM Machines, Strasbourg, France. ³(c) VLM Robotics, Mios, France.

⁴CETIM, Saint Etienne, France

Advanced Composites III

Room 7

Time: 9:00 - 10:20

Date: 13th September 2018

01 - Modal acoustic emission analysis of mode-i and mode-ii fracture of adhesively-bonded joints

Alasdair Crawford, Mohamad Ghazi Droubi, Nadimul Faisal

Robert Gordon University, Aberdeen, United Kingdom

02 - On use of signal features for acoustic emission source identification in fibre-reinforced composites

Markus G. R. Sause

University of Augsburg, Augsburg, Germany

03 - Damage diagnostic and lifetime prognosis for ceramic matrix composite with acoustic emission during long-term mechanical tests at intermediate temperature.

Nathalie Godin, Pascal Reynaud, Gilbert Fantozzi

INSA of Lyon - MATEIS, Lyon, France

83 - Novel AE monitoring of hydrogen induced damaged vessel and real time alarms. A case study

Dimitrios Papasalouros, Konstantinos Bollas, Ioannis Ladis, Eleftherios Aerakis, Athanasios Anastasopoulos, Dimitrios Kourousis

Mistras Group Hellas ABEE, Athens, Greece

04 - Combination of synchrotron computed tomography and acoustic emission measurements for cyclic loading of fibre-reinforced composites

Philipp Potstada¹, Sebastian Rosini², Mark Mavrogordato², Ian Sinclair², S. Mark Spearing², Markus G. R. Sause¹

¹University of Augsburg, Augsburg, Germany.

²University of Southampton, Southampton, United Kingdom

Break

Time: 10:20 - 10:40

Date: 13th September 2018

Monitoring Composites/Different applications

Auditorium
Time: 10:40 - 12:20
Date: 13th September 2018

48 - Structural health monitoring of composites structures by acoustic emission analysis

Lars Schubert, Eberhard Schulze, Robert Neubeck, Bianca Weinhacht

Fraunhofer Institute for Ceramic Technologies and Systems IKTS, Dresden, Germany

68 - Structural Health Monitoring of composite aerospace structures with Acoustic Emission

Martin Lehmann, Andreas Bueter, Oliver Schwarzhaupt, Conchin Contell Asins

Fraunhofer LBF, Darmstadt, Germany

36 - Post-harvest acoustic emission in angiosperm leaves

Sabine Rosner

BOKU, Vienna, Austria

53 - Mechanical and acoustic emission characterization of masonry constituents

Naveen Shetty¹, Georgios Livitsanos², Dimitrios Aggelis², Danny Van Hemelrijck², Martine Wevers¹, Els Verstrynge¹

¹KU Leuven, Leuven, Belgium. ²Vrije Universiteit Brussel, Brussels, Belgium

Material characterisation

Room 7
Time: 10:40 - 12:20
Date: 13th September 2018

32 - The sound of metal: acoustic emission during the deformation of commercially pure titanium

Nick Goossens, Marc Seefeldt, Martine Wevers

KU Leuven, Leuven, Belgium

38 - Analysis of kinking and twinning behavior in mg alloys by AE clustering method

Manabu Enoki, Kengo Tamura, Takayuki Shiraiwa

The University of Tokyo, Tokyo, Japan

39 - Non-threshold acoustic emission analysis of damage evolution in pipe segments of steel S355J2H under bending load

Franziska Baensch, Wolfram Baer, Peter Wossidlo, Abdelkarim Habib

Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany

52 - Experimental Study of Residual Stresses using Acoustic Emission

Usama Javid^{1,2}, Jialin Tang¹, Slim Soua¹, James Griffin²

¹TWI Ltd, Cambridge, United Kingdom. ²Coventry University, Coventry, United Kingdom

71 - Galling detection by acoustic emission (AE) according to ASTM G98

Abdelkrim SAIDOUN¹, Catherine HERVE¹, Yanming CHEN¹, Thibault LESAGE²

¹CETIM, Senlis, France. ²Université de Compiègne, Compiègne, France

84 - Acoustic emission method in nanoindentation and scratch test

Radim Ctvrtlik, Jan Tomastik, Vaclav Koula, Martin Drab

ZD RPETY –DAKEL, Praha, Czech Republic

LUNCH-Buffer

Time: 12:20 - 13:40

Date: 13th September 2018

Corrosion

Auditorium

Time: 13:40 - 15:20

Date: 13th September 2018

11 - AE Monitoring and Three-dimensional Observation of Stress Corrosion Cracking from Corrosion Pits

Kaige Wu¹, Kaita Ito², Ippei Shinozaki³, Manabu Enoki¹

¹Department of Materials Engineering, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, Japan. ²National Institute for Materials Science, Tsukuba 305-0047, Japan. ³Research Laboratory, IHI Corporation, Yokohama 235-8501, Japan

12 –Assessment of the acoustic wave distortion by media degradation on death weight SCC test

Luigi CALABRESE, Massimiliano GALEANO, Edoardo PROVERBIO

Department of Engineering, University of Messina, Messina, Italy

13 - Investigation of SCCmechanisms by means of electrochemical noise and acoustic emission techniques

Luigi CALABRESE¹, Massimiliano GALEANO², Edoardo PROVERBIO¹

¹Department of Engineering, University of Messina, Messina, Italy. ²Department of Engineering, University of MessinaDepartment of Engineering, University of Messina, Messina, Italy

18 - Application of Acoustic Emission measurements to monitor the initiation and the propagation of single or multiple Stress Corrosion Cracks (SCC)

Omar AL HAJ¹, Alain PROUST¹, José BOLIVAR², Marion FREGONESE³

¹Mistras Group SAS, Sucy en Brie, France. ²CETIM, Nantes, France. ³Mateis Lab, Villeurbanne, France

Pressure Vessels

Room 7

Time: 13:40 - 15:20

Date: 13th September 2018

05 - Lifetime Tests of Composite Cylinders monitored by Acoustic Emission Testing

Eric Duffner

BAM, Berlin, Germany

69 - Application of AE technique and thermography for assessment of sludge volume inside crude oil storage tanks

Ireneusz Baran, Tomasz Dunaj, Marek Nowak

Office of Technical Inspection (UDT), Warszawa, Poland

75 - New edition of gea guideline for acoustic emission testing of pressure equipments

Christophe DIGiulio¹, Catherine HERVE²

¹Alr Liquide Industrie, Bagneux, France. ²CETIM, Senlis, France

07 - Acoustic emission study of pressure vessels material degradation processes after long-term operation in the refinery industry

Igor Lyasota, Tomasz Ryncarz, Barbara Kozub

Cracow University of Technology, Cracow, Poland

64 - Acoustic emission from gas bubble nucleation and breaking away from a flat surface

Volodymyr Kietov¹, Marcel Mandel¹, Lutz Krüger¹, Alexei Vinogradov²

¹Institute of Materials Engineering, TU Bergakademie Freiberg, 09599 Freiberg, Germany. ²Norwegian University of Science and Technology - NTNU, N-7491 Trondheim, Norway

15 - Use of Acoustic Emission for inspection of various composite pressure vessels subjected to mechanical impact

Fethi DAHMENE¹, Olivier BARDOUX², Sylvie BITTENDIEBEL¹, Pierre BLANC-VANNET², Noemie ALEXANDRE³, Fabien NONY³, Michal BARCIKOWSKI⁴, Agnieszka MALDACHOWSKA⁴, Maciej PANEK⁴, Per S HEGGEM⁵, Andreas ECHTERMEYER⁶, Kaspar LASN⁶

¹Institut de Soudure, Yutz, France. ²Air Liquide, Les Loges en Josas, France. ³CEA, Le Ripault, France. ⁴Wroclaw University of Technology, Wroclaw, Poland. ⁵Hexagon Composites, Raufoss, Norway. ⁶Norwegian University of Science and Technology, Trondheim, Norway

Break

Time: 15:20 - 15:40

Date: 13th September 2018

EWGAE Business Meeting

Auditorium

Time: 15:40 - 17:15

Date: 13th September 2018

Bus Departure for Senlis center

Time: 17:30 - 17:40

Date: 13th September 2018

Senlis Discovery

Time: 17:45 - 18:45

Date: 13th September 2018

Oenological demonstration

Time: 19:00 - 20:30

Date: 13th September 2018

Senlis evening dinner

Time: 20:30 - 22:30

Date: 13th September 2018

Friday 14 September 2018

Signal Processing-Equipment and Software

Auditorium

Time: 9:00 - 10:40

Date: 14th September 2018

25 - Real-time frequency determination of acoustic emission for different fracture mechanisms in C/SiC composite

Naitian Li¹, Yong Gao^{1,2}, Liang Jin¹, Quanhong Ye¹,
Denhong Xiao¹, Zongkai Tong¹, Xiaohong Zhou¹, Bo
Jiang³

¹Beijing Electro-Mechanical Engineering Institute, Beijing, China. ²Beihang University, Beijing, China.

³Shenyang Aerospace Xinguang Group Co., LTD, Shenyang, China

30 - Detection and identification of low-amplitude acoustic emissions during plastic deformation under indentation and scratch testing

Alexey Danyuk¹, Dmitry Merson¹, Alexei Vinogradov^{1,2}

¹Togliatti State University, Togliatti, Russian Federation. ²Norwegian University of Science and Technology, Trondheim, Norway

33 - When AE (Acoustic Emission) meets AI (Artificial Intelligence) II

Kilian Wasmer, Fatemeh Saedi, Bastian Meylan, Tri Le Quang, Sergey A. Shevchik

Empa - Swiss Federal Laboratories for Materials Science and Technology, Thun, Switzerland

Civil Engineering

Room 7

Time: 9:00 - 10:40

Date: 14th September 2018

09 - Acoustic Emission Measurements During a Tensile Fatigue Test in Reinforced Concrete

Gerd Manthei, Manuel Koob, Jens Minnert

THM Technische Hochschule Mittelhessen, Gießen, Germany

59 - The estimation of Particle Size Distribution of 3D soil sample under one-dimensional compression test by AE method

Sha Luo, Erdin Ibraim, Andrea Diambra

University of Bristol, Bristol, United Kingdom

77 - Test of bending reinforced concrete structures by means of acoustic emission method

Serguei.V. ELIZAROV¹, V.V. BARDAKOV¹, A.I. A.I. SAGAIDAK²

¹Interunis-IT LLC, Moscow, Russian Federation. ²JSC SIC Construction, Moscow, Russian Federation

43 - Investigation of noval ae parameter for fatigue crack identification in steel.

Farhan Tanvir Santo¹, Professor Tariq P Sattar¹,
Graham Edwards²

¹London South Bank University, London, United Kingdom. ²The Welding Institute, Cambridge, United Kingdom

65 - AE fracturing modes classification by means of shear tensile source model

Matěj Petruzalek¹, Tomas Lokajicek¹, Tomas Svitek¹,
Petr Kolar², Zuzana Jechumtalova², Jan Sileny², Petra Adamova²

¹Institute of Geology of the Czech Academy of Sciences, Prague, Czech Republic. ²Institute of Geophysics of the Czech Academy of Sciences, Prague, Czech Republic

21 - AE sensor sensitivity verification using a stimulated motion verified by laser-vibrometry

Hartmut Vallen

Vallen Systeme GmbH, 82057 Icking, Germany

40 - Continuous Recording and Wireless Transmission of AE Waveforms by Battery Powered Sensor Nodes

Kaita Ito¹, Manabu Enoki²

¹National Institute for Materials Science, Tsukuba, Japan. ²The University of Tokyo, Tokyo, Japan

81 - Assessment of infrastructures by rainy induced AE tomography with wave velocity and attenuation rate

Tomoki Shiotani¹, Katsufumi Hashimoto¹, Nobuhiro Okude¹, Clement Granier², Kazuo Watabe³, Hidefujii Takamine³

¹Kyoto University, Kyoto, Japan. ²imdm-infra consulting, Vevey, Switzerland. ³Toshiba Corporation, Kawasaki, Japan

Break

Time: 10:40 - 11:00

Date: 14th September 2018

Signal processing-Equipment and Software

Auditorium

Time: 11:00 - 12:40

Date: 14th September 2018

76 - Method for assessing the likelihood of fatigue crack detecting

Vera BARAT¹, D.V. CHERNOV¹, S.V. ELIZAROV²

¹National Research University "MPEI", Moscow, Russian Federation. ²Llc Interunis-IT, Moscow, Russian Federation

78 - Statistical non-parametrical algorithm for acoustic emission impulses detection adapted on the basis of modal analysis approach

Vera BARAT, D.A. TEREITYEV, Serguei ELIZAROV

Interunis-IT LLC, Moscow, Russian Federation

80 - CFRP failure mechanisms detection using traditional and modal ae equipment's features

Chris Rowland

Pancom Ltd, Huntingdon, United Kingdom

82 - Application and Analysis of AE signals based on the EEMD-FastICA method

Yu Jiang¹, Feiyun Xu², Zhong Yang³, Jiming Yu, Bingsheng Xu⁴

¹College of Intelligent Science and control Engineering, Jinling Institute of Technology, Nanjing, China. ²School of Mechanical Engineering, Southeast University, Nanjing, China. ³College of Intelligent Science and control Engineering, Jinling Institute of Technology, Nanjing, China. ⁴Nanjing Tech University, Nanjing, China

Source Location

Room 7

Time: 11:00 - 12:40

Date: 14th September 2018

34 - Contouring Geodetically Accurate Acoustic Emission Sources via Kernel Density Estimates

Petr Gális, Václav Kůs

Department of Mathematics, FNSPE, CTU in Prague, Prague, Czech Republic

41 - Analysis of ae source location precision for general sensor configurations

Milan Chlada, Jan Kober, Zdenek Prevorovsky

Institute of Thermomechanics of the CAS, v. v. i., Prague, Czech Republic

54 - Time reversal localization of continuous and burst ae sources under noise

Zdenek Prevorovsky, Josef Krofta, Jan Kober, Milan Chlada, Milan Mracko

Institute of Thermomechanics CAS, Prague, Czech Republic

67 - Automatic p-phase picking for acoustic emission source location

Haitao Zheng, Miltiadis Kourmpetis, Jamil Kanfoud, Tat-Hean Gan

Brunel Innovation Centre, Brunel University London, Cambridge, United Kingdom

10 - Evaluation of localized corrosion using acoustic emission signals: wavelets denoising and Random Forests classification

Nicolas Morizet, Marion Frégonèse, Nathalie Godin, Junlei Tang, Bernard Normand

INSA of Lyon - MATEIS, Villeurbanne, France

45 - Research the comparative sensitivities of fiber-optic sensors and piezoelectric sensors for detection of acoustic emission waves

Han Htoo Khun¹, Oleg Bashkov¹, Valerii Zaikov¹, Roman Romashko², Ilya Bashkov¹

¹Komsomolsk-on-Amur State University, Komsomolsk-on-Amur, Russian Federation. ²Institute of Automation and Control Processes FEB RAS, Vladivostok, Russian Federation

Conference closure

Time: 12:45 - 13:00

Date: 14th September 2018

