SESSION M.1: Eddy Currents

ID190, *Subsurface Multi-frequency Eddy Current Inspection of Multilayered Riveted Aluminum Plates*, Nikolaos Poulakis, Apostolos Kotouzas, Vyron Drosos, Maria Poulaki

ID193, *New High Sensitivity Eddy Current Solution for Detection and Sizing Small Flaws*, Ghislain Morais, Angélique Raude

ID284, *Advanced Eddy Current Evaluation for Thermal Damage Beneath Functional Coatings*, Irati Sanchez, Jose Luis Lanzagorta, Iratxe Aizpurua, Julen Mendikute, Julen Larrañaga

ID325, *Eddy Current-Based NDT of Braided Multistrand Carbon Fiber Rigging*, Francisco Bolinhas, Juanjo de la Cuesta, Seth Cooley, Telmo G. Santos, Miguel A. Machado

ID355, *From PT to ECA: A Simulation-driven Study on Key Parameters in Eddy Current Array Inspection Method Development*, Raju Yalagada, Silvère Barut, Denis Premel

ID381, *Adapting Conventional Dual-Channel Eddy Current Instruments for Flexible Array Operation in Harsh Environments*, Alexis Hernandez, Gordon Dobie, Charles MacLeod, Iang Gough, John Hansen, Ehsan Mohseni

ID396, *NV-NDE: a Novel Technique Using Quantum Diamond Sensors for Non-destructive Evaluation of Metals*, Baptiste Vindolet, Guillaume Bourcin, Hoai Nam Nguyen, Thomas Hingant

ID408, *Assessment of Through-Transmission Eddy Currents for Subsurface Crack Detection*, Catalin Mandache, Leo Dionne, Antal Prigli

ID413, *Quantitative Evaluation of Crack Depth in Ceramic Matrix Composites Using Eddy Current Testing*, Kohei Minoura, Tetsuya Uchimoto, Hiroyuki Kosukegawa, Shuhei Hashimoto, Kohei Kudo, Mitsuo Hashimoto, Toshiyuki Takagi

ID433, *Local Resistance Evaluation of Printed Electronics During Jet-Dispensing and IR-Sintering Using Eddy Current and Laser Profilometry with Temperature and Lift-Off Compensation*, Nataliia Gromberg, Lukas Boxberger, Till Schulze, Henning Heuer, Welf-Guntram Drossel

ID478, *Analysis of Transmit-Receive Coil Spacing for Phase-Based Depth Characterization in Eddy Current Array*, Ana Carolina P. S. Brandão, Iane de A. Soares, Caio Henrique A. de Souza, Laudemiro Nogueira Jr., Carlos B. Eckstein, Gabriela R. Pereira

ID481, *NDE of Mechanical Properties of Fatigue Damaged Austenitic Stainless Steel with ECT Signals*, Yinqiang Qu, Ke Deng, Hong-En Chen, Shejuan Xie, Zhenmao Chen

ID522, *Innovative Eddy Current Method and Probe for Detecting Defects in Any Orientation*, Federico Carere, Alessandro Sardellitti, Silvia Sangiovanni, Marco Laracca

ID525, *An Innovative ECT Method for Advanced Corrosion Detection and Characterization*, Alessandro Sardellitti, Marco Laracca, Angelo D'Aguanno, Vincenzo Mottola, Filippo Milano, Luigi Ferrigno, Antonello Tamburrino

ID716, *Principle and Instrument of Corrosion Detection by Electromagnetic Imaging under the Concrete Overlayer*, XinJun Wu, JiaWei Gong, FangHao Zhai, WenLong Zhang

ID776, *EddyGlove: A Wearable Eddy Current Testing Device for Defect Detection in Confined Environments*, Erhui Sun, Abdelkhalick Mohammad, Andres Gameros Madrigal, Dragos Axinte, Andy Norton

ID806, *Eddy Current Testing of a Carbon Fiber Blade Edge*, Marie Rudolfova

ID825, *A General Methodology for the Identification of Invariant Features in Eddy Current Testing*, Vincenzo Mottola, Alessandro Sardellitti, Filippo Milano, Luigi Ferrigno, Marco Laracca, Antonello Tamburrino

ID834, *Impedance Level-Set Curves in Eddy Current Testing of Conductive Plates under Unknown Coil Tilt*, Leonardo Max Golušin, Darko Vasić

SESSION M2

ID255, *Handheld Terahertz Optoelectronic FMCW Radar for Nondestructive Thickness Measurements of Paint Coatings on Glass Fiber-Reinforced Composites*, Shiva Mohammadzadeh, Raphael Hussung, Dominik Gundacker, Maris Bauer

ID261, *Real-Time Non-Contact Monitoring of Micromachining Tools Using mmWave FMCW Radar*, Kamal Khalil, Ahmed Abotoor, Mohamed H. Hassan, Zekai Murat Kilic, Michael D. O'Toole, Anthony J. Peyton

ID301, *Development of an Optimized Non-Contact SFCW-SAR Scanning System for Concrete Structures*, Joo-Hyung Lee, Changbin Joh, Ji-Young Choi

ID305, *Microwave Inspection of HDPE Pipes and Joints*, Alessandro Demma, Victor Manuel Valle, Guillermo Garcia Aguilar

ID351, *Terahertz Inline Measurement System for Continuous Tracking of Inner Pipe Positions During the Production of Insulated Pipe Systems*, Raphael Hussung, Rodrigo Gantenbein, Fabian Friederich, Jürgen Kress, Maris Bauer

ID417, *Electrical Reflectometry for Early Fault Detection in Power Cables*, Tim Whitmore, Constantinos Onoufriou, Lujia Chen, Anthony Peyton, Guangqiao Xu

ID438, *High-Resolution FMCW Radar for Non-Destructive Testing of RAAC Structures*, Kamal Khalil, Samuel J. I. Forster, Frank J. W. Podd, Michael D. O'Toole, Anthony Peyton

ID518, *Millimeter Wave Radar Technology for NDT Applications*, Sven Leuchs, Christian Krebs

ID791, *Compact UWB Antenna-Based SFCW Radar with Fast Delay-and-Sum Algorithm for Concrete Scanning*, Joo-Hyung Lee, Gyeongyong Jeong, Keunhee Cho, Ji-Young Choi, Moon-Que Lee, Changbin Joh

ID842, *Calibration-Free Measurement of the Thickness of Non-Metallic Coatings on Metals by a Millimeter-Wave Sensor*, Valeri Mikhnev, Wojciech Knap

SESSION M.3: Guided Waves

ID155, *Comprehensive Inspection of Large-Diameter Pipes Combining Guided Wave Screening and Scanning*, Keith Vine, Brian Pavlakovic, Thomas Vogt

ID168, *Feasibility Study on Onload Guided Wave Testing for Evaluating Boiler Spine Integrity and Insulation Performance*, John Jian

ID188, *Advancements in Guided Wave Inspection: LRUT Focusing and MRUT Sizing Techniques*, Levente Bazsanyi

ID281, *Damage Detection in Thin-walled Structures Using Guided Waves and an Optical Microphone*, Caspar Wasle, Björn Wohltmann, Rebecca Rodeck, Gerko Wende

ID289, *Quantitative Characterisation of Defects in Pipes Using Guided Wave Testing with Geometrical Full Waveform Inversion*, Elias Rabbat, Peter Huthwaite

ID333, *Evaluation of Material Properties of Plates with PAUT Using Particle Swarm Optimization Inversion Procedure*, Guillemette Ribay, Bengisu Yilmaz, Axel Thomas, Quentin Baudis, Arnaud Recoquillay

ID431, *Corrosion Mapping in Buried Section of Monopoles Using Magnetostrictive Transducer Arrays*, Sergey Vinograodov, Jay Fisher, Patrick Grädel, Pierre Dupuis, Dominik Hirschhausen

ID502, *Temperature Compensation for Guided Wave Signals Using Denoising Autoencoders*, Matthew Newson, Clément Fisher

ID854, *Guided-wave-based Information Transfer through Parametric Encoding of Ultrasonic Signals*, Beata Zima

ID943, *An Innovative Thermocouple-Waveguide Sensor System for Measuring the Temperature of a Hot Melter*, Suresh Periyannan, Krishnan Balasubramaniam

SESSION M.4: Radiographic Testing

ID158, *A Novel Multi-Frame Acquisition Approach for Wide-Field Imaging with Noise Reduction*, Philippe Duvauchelle, Angela Peterzol

ID240, *Digital Radiography using CR and DDA for Welds*, Anmol Birring

ID298, *Integration of AI-Based Automatic Defect Recognition (ADR) in X-ray Inspection of Castings*, Thomas Stocker, Bishwajit Mohan Gosswami, Rajib Kumar Chanda, Frank Sukowski, Tobias Schön

ID326, *Eliminating Artifacts and Boosting Efficiency with Varex TrueSpectrum Imaging*, Martin Hu, Michael Stamm, Jonathan Schock

ID341, *Dual-Temperature-CT: An Experimental Method for Three-Dimensional Polymer Characterization*, Jonathan Glinz, Sarah Heupl, Julia Thalhammer, Johann Kastner, Sascha Senck

ID387, *Advances in X-ray CT of Large & Dense AM Components*, Nick Brierley, Karin Mrzljak, Mirko von Schmid, Moritz Weiß, Benjamin Zengerling, Olaf Günnewig

ID407, *European and International Standardization – a Strategic Tool for Stakeholders in NDT*, Franziska Baensch, Michael Schmitt, Daniel Müller, Uwe Zscherpel, Uwe Ewert

ID434, *Simulation of Functional Ageing towards Failure Prediction of Dental Restorations - Investigating the Crown-cement-tooth Complex using Synchrotron x-ray Refraction Radiography*, Akshar Soni, Jonas Rechlin, Tobias Horbrügger, Itziar Serrano-Munoz, Franziska Schmidt, Manja von Stein-Lausnitz, Paul Zaslansky, Florian Beuer, Claudia Fleck, Andreas Kupsch

ID617, *Numerical Modelling of Photon-Counting Detectors for Industrial Radiography Applications*, Roman Fernandez, Anthony Touron

ID632, *Non-Destructive Evaluation of Rotary Friction Welded CuCrZr–AISI 316 Joints for Fusion Applications*, Fabio Bergamini, Alessandra Fava, Francesco Cognini, Giuseppe Barbieri, Angelo Tatì, Paolo Rossi, Jeong-Ha You

ID644, *Stereo Digital Radiography Using Paired LDAs*, James Prindiville, Nguyen Luu, Randall Wilcox, Chinlee Wang

ID692, *XXL High-resolution Digital Radiography: A Solution for Large-format Industrial Parts and Artworks*, Eusebio Solorzano, Daniel Cuadra-Rodriguez, Jorge Monzon de Castro

ID740, *In-line X-ray Inspection of Medium Density Fiberboard Mattress*, Nicola Zambelli, Silvia Zanettini, Nicola Sarzi-Amadé, Paolo Ferrarini, Davide Cavaliere, Antonella Travaglia, Brando Campestrini

ID841, *Development of a Compact and Scalable LINAC for Industrial X-Ray Applications*, Roberto Bonifazi, David Alesini, Luigi Faillace

ID918, *Multi-Source Non-Destructive Evaluation of Carbon Steel Specimens Subjected to Static Tensile Loading*, Tomasz Chady, Jacek Grochowalski, Ryszard Łukaszuk

SESSION M.5: Ultrasonics

ID147, *Ultrasonic Inspection on Metal and Composite Material – Application and Differences*, Valter Capitani, Nicola Centra, Giacomo Maione

ID156, *Imaging and Sizing of Real SCC Using FMC/TFM and PCI*, So Kitazawa, Hirofumi Ouchi, Isao Yoshida

ID159, *Matrix Technology Applications for Advanced Ultrasonic Testing*, Stephan Falter, Thomas Würschig

ID175, *A Circumferential Radially Magnetized EMAT for High-Temperature Equipment*, Siyu Wang, Fangji Gan, Bo Zhao, Jiubin Tan

ID207, *New Method and Mobile Testing System for Inspecting Light Poles and Corrosion Under Pipe Supports using Guided Ultrasonic Waves*, Roman Pinchuk, Andrey Bulavinov, Ralf Birringer

ID212, *Advanced Ultrasonic Imaging for Hardening Depth Measurement*, Héctor Calás, Nans Laroche, Cyril Thibault, Gavin Dao, Bjørn Meerwald, Søren Elmose

ID237, *Advanced Ultrasound Methods for HTHA Inspection*, Stéphan Couture

ID246, *High-resolution 3D Ultrasonic Imaging by 1024-element 2D Matrix Array Transducers*, Yoshikazu Ohara, Ryuya Kawaguchi, Koki Shimizu, Yudai Yashiro, Yuto Fujikawa, Akira Nagakubo

ID271, *Inspection for SCC in Uncoated Austenitic Stainless Steel*, Mark Jones

ID283, *Case Study - Inspection of Weld Backing Plate*, Stéphan Couture

ID309, *CIVA Scan Plan: a Generic Framework for Ultrasonic Coverage Evaluation and Inspection Plan Optimization*, Stéphane Le Berre, Karim Jezzine, Julien Banchet, Patrice Pinto, William Mathieu

ID317, *Simulations and Experiments to Optimize Laser Ultrasonic Testing*, Benjamin van Elburg, Patrick H. Jansen, Arno Volker

ID349, *Ultrasonic Evaluation of Equivalent Stress in Bolts Using Acoustic Birefringence*, Tianxiang Ge, Jiaxin Li, Bo Zhao

ID350, *Refractories under Observation: Comparison of Air-coupled Ultrasound Testing and Computed Tomography*, Yury Golitsyn, Ralf Steinhausen

ID375, *Ultrasonic NDT of a Multipass Austenitic TIG Weld: Challenges Related to Welding Position*, Simon Delmotte, Cécile Gueudré, Marie-Aude Ploix, Jean-Christophe Vallée, Gilles Corneloup

ID391, *Probability of Detection of an Automated Ultrasonic Testing Inspection System in the Seamless Pipe Industry*, Fabien Lefevre, Bada Ndao, Olivier Lazzari, Daryl Ouedraogo, Bastien Clausse, Fabrice Foucher

ID393, *Sparse 3D imaging*, Pierre Kauffmann, Khuram Faraz, Jean-Baptiste Jacquet, Jean-Luc Guey, Mohamed Tamraoui, Barbara Nicolas, Hervé Liebgott, Etienne Coffy

ID401, *Distinguishing Defects from Corrosion in Ultrasound Images*, Yongxing Cai, Anthony Mulholland, Jie Zhang

ID428, *Ultrasonic Assessment of Damage Evolution and Self-healing in High-performance PVA Fiber-reinforced Concrete*, Yasmin W. Tamimi, Vanessa G. Cappellesso, Gerlinde Lefever, Nele De Belie, Dimitrios G. Aggelis

ID435, *A Novel Method to Measure Wall Thickness Under an Obstruction by Conventional Ultrasonic Thickness and Flaw Gauges*, Matthew Davison

ID465, *Feasibility Study of Applying an Advanced Phased-Array Ultrasonic Technique to Weld Inspection in Thin Stainless-Steel Sheets*, Tarik Iazourene, Etienne Laroche, Jimmy Ponton

ID526, *Factors Influencing Corrosion Rate Estimations focusing on Image Stitching on Ultrasound Data*, Alexandru Nichita, Frederic Cegla

ID534, *Comparison of TFM Inspection Techniques with FMC and PWI Firing for Stainless Steel and Dissimilar Metal Welds*, Paul Hillman, Jérôme Poirier, Guy Maes

ID539, *Development of an Ultrasonic Inspection Tool for the Evaluation and Monitoring Offshore Pipelines with Internal HDPE Coating*, Marcella Grosso Lima, Thiago T. M. Neves, Heloisa Althoff, Daniel Braga, João Pedro M. Casacão, Cesar G. Camerini, Gabriela R. Pereira

ID551, *Hybrid Multiscale Attention-Based Super-Resolution for Real-Time Transcranial Ultrasound*, Aryaz Baradarani, Kiyanoosh Shapoori, Saghar Farhangfar, Eugene Malyarenko, Juri G. Gelovani, Roman Maev

ID558, *Characterisation of Critical Microstructures in Metals Using Shear Ultrasound*, André Lello de Almeida, Michael J. S. Lowe, Bo Lan

ID559, *Robot-based Immersion Ultrasonic Testing using adapted TFM/FMC*, Thomas Heckel, Tobias Homann, Christian Hassenstein, Friedrich Bake

ID568, *Deployment of AI-Assisted Ultrasonic Inspections in the Nuclear Power Industry*, Thiago Osorio

ID572, *Fully Non-Contact ACUT-Based Crack Depth Evaluation Using Crack-Guided Leaky Rayleigh Modes*, Hyeonwoo Nam, Chan Wook Park, Wonjae Choi

ID597, *Austenitic Welds Phased Array Ultrasonic Inspection Modeling and MAPoD Study*, Bastien Clausse, Adam Pacalis, Fabrice Foucher, Adam Wick, Paul Boulware, Eric Dittman, Mark Lozev

ID612, *Advanced Methodology of Ultrasonic Testing (UT/PA) of Thin-Walled Tubes: Replacement of Radiographic Inspection and Efficiency Improvement of NDT Processes*, Petr Žbánek, Jan Andrlík

ID669, *From Data Acquisition to Reliable Defect Characterization: Industrial Applications of FMC, TFM and PCI*, Alessandro Magni, Marco Casaril, Luigi Corsi

ID703, *Non-Destructive Characterization of the Curing Process of Thick-Film Adhesive Bonds using Transverse Ultrasonic Waves*, Greta Scholle, Christian Mathiszik, Franz Hielscher, Johannes Koal, Hans Christian Schmale

ID748, *Reducing Inspection Ambiguity from Degraded A-Scans in Ultrasonic Spot Weld Analysis*, Aryaz Baradarani, Roman Maev

ID752, *Embedded Super-Resolution Framework for Ultrasonic Spot Weld Inspection*, Aryaz Baradarani, Roman Maev

ID800, *Multi-frequency Time Reversal Based Super Resolution Imaging Performance Studies for Ultrasonic Nondestructive Testing*, Chengguang Fan, Xiaozhen Zhang, Kunyou Jiang, Zongyu Wu, Quan Chen, Wenlong Zhang

ID839, *Advances in Ultrasonic Testing for Clad and Lined Pipeline Girth Welds Using Virtual Source-TFM*, Burak Bölükbaşı, Petr Kulikov, Özgür Özünlü

ID869, *Ultrasonic Scattering utilizing Distributed Synthetic Microstructures*, Showmic Islam, Joseph A. Turner

ID887, *Comparison of Analytical and Numerical Methods for the Diffraction of Ultrasound from Surface-breaking Cracks*, Christopher M. Ashworth, James Gaffney, Jason F. Ralph, Ian Thompson, Stewart G. Haslinger

ID923, *SITAU-II: A High-Performance Ultrasound Phased Array Research Platform*, Roberto Giacchetta, Ricardo González Bueno, Jorge Ferandez Cruza, Edurado Moreno Hernandez

ID927, *AirScope: 20 Years Innovating in Non-Contact Ultrasound Aeronautical Inspection*, Roberto Giacchetta, Ricardo González Bueno, Jorge F. Cruza, Eduardo Moreno Hernández

ID936, *Parallel Acquisition of PCI and TFM Images for Enhanced Assessment Accuracy*, Kevin Westra, Adri van den Biggelaar, Niels Pörtzgen

ID948, *Ultrasonic Characterisation of Grain Orientations, Elastic Tensor and Geometry of Thick-section Welds using Deep Learning*, Lucas Queiroz Machado, Thomas Blumensath, Vykintas Samaitis, Michael Lowe, Michal Kalkowski

SESSION M.6: Shearography

ID171, *Spatial Phase Shifting Shearography for Industrial In-Line Quality Control*, Michael Schuth, Valentin Bastgen, Jessica Plaßmann

ID646, *Acoustic Shearography for Pipeline Inspection*, Lei Zhang, Zi Wen Tham, Yi Fan Chen

ID647, *Human-Technology Synergy in Non-Destructive Testing: Enhancing Reliability in Safety-Critical Sectors*, Karan Doshi

ID933, *Shearography for Non-Destructive Inspection of Composite Repairs under Passive Fire Protection*, Mauro Eduardo Benedet, Daniel Pedro Willemann, Analucia Vieira Fantin, Armando Albertazzi Jr., Bruno Schutz, Leandro Bezerra, Marcelo Raulino

SESSION M.7: Tomography

ID132, *Aircraft High-pressure Blade Dimensional Tomography: Application Case for an Advanced Deep Segmentation Method*, Phileas Guégan, Patrick Fuchs, Nicolas Coutant, Clément Remacha

ID150, *Determination of Measurement Uncertainty in X-ray Computed Tomography through Simulation - the CTSimU3 Project*, Stefan Kasperl, Frederic Ballach, Markus Bartscher, Carsten Bellon, Fabrício Borges de Oliveira, Matthias Braun, Burhan Dogan, Matthias Fleßner, Patrick Fuchs, Olaf Günnewig, Tino Hausotte, Gerd-Rüdiger Jaenisch, Thomas Kleinteich, René Laquai, Nicole Maass, Thomas Mayer, Tamara Reuter, Mirko von Schmid, Alexander Suppes, Daniel Weiß

ID160, *Ultrasonic Velocity and Strength Mapping of Concrete Structures using Elop Insight Scanner*, Kamal Raj Chapagain, Werner Bjerke, Taras Tyrsa, Emir Evlic

ID180, *Procedural Design of an Industrial X-ray Computed Tomography Machine for Educational Purposes*, Eleonora Fontò, Egidio Angelo Gallicchio, Filippo Maria Bagnasco, Chiara Terrone, Alex Aiello, Aldo Canova

ID209, *Quantum Computing as a Future Tool for three-dimensional X-ray Imaging and Image Processing: Latest Progress and Perspectives*, Theobald Fuchs, Anastasia Papadaki, Thomas Lang, Martin Blaimer, Anja Heim, Kilian Dremel, Dimitri Prjamkov, Markus Firsching, Stefan Kasperl

ID372, *Integration of Simulated and Experimental CT Data for Automated Defect Detection in Additive Manufactured Components*, Celia Vilches, Amalia Salinas, Miroslav Yosifov, Sascha Senck, Carlos Galleguillos

ID421, *From Conventional Tomography to Laminography: Geometry-Specific Trajectory Optimization and Reconstruction Strategies*, Jitendra Singh Rathore, Victor Bussy, Marius Costin, Marie-Bénédicte Jacques

ID668, *The Strategic Role of Computed Tomography in the Conduction of Failure Analysis*, Benedetta Oneda, Igor Giroletti, Stefano Rossi

ID707, *Super-Resolution Microcomputed Tomography for Porous Aluminium Foams*, Sascha Senck, Lukas Nepelius, Patrick Weinberger, Markus Höglinger-Rauscher, Jonathan Glinz

ID750, *Logitom-casting: AI Powered Automated X-ray Tomography Processing Software for Quality Control*, Awen Autret, Limamou Gueye, Duy Nguyen, Sofiane Terzi, Valérie Kaftandjian, Sébastien Brzuchacz, Patrick Bouvet, Caroline Boudou, Barbara Fayard

ID796, *Projection-Volume Hybrid Stitching for Large-Scale Synchrotron CT using a Vertical Fan-Beam Geometry*, Wataru Yamamoto, Yutaka Ohtake, Takumi Kimura, Hiroto Motoyama, Satoru Egawa, Gota Yamaguchi, Hidekazu Mimura, Yukie Nagai

ID817, *A Micro EIT Sensor for Process Tomography*, Antonio Affanni, Ruben Specogna, Francesco Trevisan, Antonello Tamburrino

ID821, *Application of NDT Technologies for Designing Food Textures*, Yukie Nagai, Kento Imani, Wataru Yamamoto, Yutaka Ohtake, Hiroto Motoyama, Satoru Egawa, Gota Yamaguchi, Hidekazu Mimura

ID851, *Unveiling CO_2 Uptake in a Metal-organic Frameworks (MOFs) Based Packed Bed by X-ray Computed Tomography*, Jorge Martinez-Garcia, Cedric Reichmuth, Damian Gwerder, Diponker Karmoker, Benjamin Fumey, Philipp Schuetz

ID856, *The Limitations of Applying Radiographic Criteria to CT Images in Non-destructive Testing*, Sebastien Brzuchacz

SESSION M.8: Infrared Thermograpy

ID462, *Thermographic Monitoring of a 70+ m Full-scale Wind Turbine Blade Fatigue Test*, Michael Stamm, Somsubhro Chaudhuri, Patrick Grzywok, Julien Lecompagnon

ID513, *Non-Destructive Thickness Estimation of Extreme High-Speed Laser Cladding Coatings on Brake Discs Using Eddy Current and Photothermal Techniques*, Michele Carboni, Omar Madkouri, Barbara Previtali, Geoffrey Bruno, Paolo Calefati

ID712, *Effect of Sandwich Honeycomb Core features on Thermography Inspection with Pulsed Optical Excitation*, Fethi Dahmene, Samuel Maillard, Jean-Nicolas Frouart, André Baillard

ID732, *Active Thermography with Inductive Excitation for Grinding Burns Detection - Application to Aircraft Landing Gear Components*, Sylvain Plouvier, Samuel Maillard, Jean Nicolas Frouart, Fethi Dahmene, Benoit Géradin, Olivier Ghibaudo, Thibaut Schmoor, Timothée Vinet

ID741, *Shaping the Future of Thermography: Standardization as a Bridge between Innovation and Application*, Mathias Ziegler, Jochen Aderhold, Stéphane Amiel, Patrick Bouteille, Giuseppe Dell'Avvocato, Umberto Galietti, Eider Gorostegui Colinas, Richard Huillery, Ingmar Jakobi, Andreas Keller, Samuel Maillard, Günther Mayr, Malte Mund, Daniel Müller, Beate Oswald-Tranta, Vaclav Straka, Michal Svantner

ID789, *Integrated Non-Destructive Evaluation of Bacteria-Based Self-Healing Concrete*, Krit Sukprasit, Keisuke Nitta, Katsufumi Hashimoto, Takafumi Sugiyama

ID794, *Finite Element Simulations and their Validation for Inductive Thermography*, Beate Oswald-Tranta, Jean-Marie Ehrenberger