

List of Papers to be Presented at SAPEM 2008, December 2008, University of Bradford, Bradford (UK)

| Title | Name, First name | Institution | Country |
|--|-------------------------|----------------------------------|--------------------------|
| Temperature and frequency dependence of the elastic properties of porous materials | Descheemaeker, J. | KU Leuven | Belgium |
| | Boeckx, L. | Huntsman Polyurethanes | Belgium |
| | Lauriks, W. | KU Leuven | Belgium |
| Prediction of scattering effects on sound propagation in rigid porous media | Boutin, C. | Université de Lyon - ENTPE- CNRS | France |
| Acoustics in a porous medium saturated by a rarefied gas: Closure of a spatial averaged form of the Maxwell-Boltzmann equation | Oxarango, L. | LTHE UMR 5564 CNRS/INPG/IRD/UJF | France, Metropolitan |
| | Pavan, V. | IUSTI UMR 6595 CNRS/UP | France, Metropolitan |
| Experimental study on transmission loss of MPP structures with the air-layer-subdivision technique | Toyoda, M. | Kyoto University | Japan |
| | Takahashi, D. | Kyoto University | Japan |
| Modelling acoustical heterogeneous materials composed of porous inclusions | Gourdon, E. | DGCB URA CNRS1652 ENTPE | France |
| | Seppi, M. | Faculty of Engineering | Italy |
| Pressure/Mass Method to Measure Open Porosity of Porous Solids | Salissou, Y. | Université de Sherbrooke | Canada |
| | Panneton, R. | Université de Sherbrooke | Canada |
| Field acoustic characterization of soil properties. | Averbakh, V. | Institute of Applied Physics | Russian Federation |
| | Lebedev, A. | Institute of Applied Physics | Russian Federation |
| | Maryshev, A. | Institute of Applied Physics | Russian Federation |
| | Talanov, V. | Institute of Applied Physics | Russian Federation |
| Influence of the pore sealing on the acoustic Transition Terms of a water-saturated porous plate obeying Biot's theory. | Derible, S. | LOMC FRE 3102 CNRS | France |
| | Franklin, H. | LOMC FRE 3102 CNRS | France |
| Poroeleastic Plate Theories of Arbitrary Order | Nagler, L. | Institute of Applied Mechanics | Austria |
| | Schanz, M. | Institute of Applied Mechanics | Austria |
| A Time Domain Numerical Method for the Biot Model | Chiavassa, G. | Ecole Centrale de Marseille | France |
| | Lombard, B. | LMA | France |
| | Piriaux, J. | LMA | France |
| A New Impedance Tube for Large Frequency Band Characterization of Absorbing Materials | Dalmont, J.P. | LAUM | France |
| | Le Roux, J.C. | CTTM | France |
| The effect of moisture on the flow resistivity and acoustic admittance of loose granular media. | Horoshkov, K. | University of Bradford | United Kingdom |
| | Mohamed, M. | University of Bradford | United Kingdom |
| | Ting, S. | University of Bradford | United Kingdom |
| A Novel Cold Extrusion Process to Tailor a Porous Structure from Plastic, Rubber and Fibre Particulate Waste | Khan, A. | University of Bradford | United Kingdom |
| | Horoshkov, K. | University of Bradford | United Kingdom |
| | Benkreira, H. | University of Bradford | United Kingdom |
| | Patel, R. | University of Bradford | United Kingdom |
| | Swift, M. | University of Bradford | United Kingdom |
| Sonic crystals supporting low-frequency resonance phenomena | Krynkina, A. | Salford University | United Kingdom |
| | Umnova, O. | Salford University | United Kingdom |
| Time Domain Investigation of Pulse Propagation in Porous Media. | Turo, D. | Salford University | United Kingdom |
| | Umnova, O. | Salford University | United Kingdom |
| On the Sorption Kinetics of Activated Carbon and their Effects on Low Frequency Energy Dissipation | Bechwati, F. | Salford University | United Kingdom |
| | Umnova, O. | Salford University | United Kingdom |
| | Cox, T. | Salford University | United Kingdom |
| A Novel Cold Extrusion Process to Tailor a Porous Structure from Plastic, Rubber and Fibre Particulate Waste | Khan, A. | University of Bradford | United Kingdom |
| | Horoshkov, K. | University of Bradford | United Kingdom |
| | Benkreira, H. | University of Bradford | United Kingdom |
| | Patel, R. | University of Bradford | United Kingdom |
| | Swift, M. | University of Bradford | United Kingdom |
| Estimating Effective Elastic Properties of Heterogeneous Porous Media Using Time-Domain Finite Element Modelling | Wenzlau, F. | Universität Karlsruhe (TH) | Germany |
| | Altmann, J. | Universität Karlsruhe (TH) | Germany |
| | Müller, T. | Universität Karlsruhe (TH) | Germany |
| Finite-element modeling of complex-fluid porous materials - Case studies using Abaqus | Gerdas, R. | 3M Company | United States of America |
| | Dravida, R. | Dassault Systemes Simulia Corp | United States of America |
| | Cipolla, J. | Weidlinger Associates Inc. | United States of America |
| Acoustic propagation in bubbly viscoelastic materials | Leroy, V. | Laboratoire MSC, Paris 7, CNRS | France |
| | Strybulevych, A. | Dpt of Physics and Astronomy | Canada |
| | Scanlon, M. | Department of Food Science | Canada |
| | Page, J. | Dpt of Physics and Astronomy | Canada |
| Acoustical properties of disordered arrays of circular cylinders | Venegas, R. | Salford University | United Kingdom |
| | Umnova, O. | Salford University | United Kingdom |
| Linking polyurethane foam cell morphology to acoustical performance using X-ray tomography and Computational Fluid Dynamics. | Brennan, M. | Huntsman Polyurethanes | Belgium |
| | Boeckx, L. | Huntsman Polyurethanes | Belgium |
| | Verniers, K. | Huntsman Polyurethanes | Belgium |
| | Vandenbroeck, J. | Huntsman Polyurethanes | Belgium |
| Prediction and measurement of sound intensities and energy densities inside porous layers | Prodi, N. | Dip.di Ingegneria, ENDIF | Italy |
| | Bonfiglio, P. | Dip.di Ingegneria, ENDIF | Italy |
| Comparison of three measurement techniques of normal absorptor coefficients in free field method using boundary element method | Hirosawa, K. | Nittobo Acoustic Engineering | Japan |

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| | Nakagawa, H. | Nittobo Acoustic Engineering | Japan |
| | Kon, M. | Nittobo Acoustic Engineering | Japan |
| | Yamamoto, A. | Nittobo Acoustic Engineering | Japan |
| Technical Requirements for Recycled Noise Control Materials | Swift, M. | University of Bradford | United Kingdom |
| Generalized Variational Principle for Dissipative Hydrodynamics and its Application for Description of Generalized Biot's Models of Multiphase Media | Maximov, G. | Andreyev Acoustics Institute | Russian Federation |
| Quantifying the Through-Thickness Asymmetry of Sound Absorbing Porous Materials | Salissou, Y. | Université de Sherbrooke | Canada |
| | Panneton, R. | Université de Sherbrooke | Canada |
| Comparison of three measurement techniques of normal absorption coefficients in free field method using boundary element method | Hirosawa, K. | Nittobo Acoustic Engineering | Japan |
| | Nakagawa, H. | Nittobo Acoustic Engineering | Japan |
| | Kon, M. | Nittobo Acoustic Engineering | Japan |
| | Yamamoto, A. | Nittobo Acoustic Engineering | Japan |
| Some Historical Milestones in Modelling Sound propagation in Porous Media | Attenborough, K. | The Open University | United Kingdom |
| Recent developments free field PU impedance technique | Tijs, E. | Microflown Technologies | Netherlands |
| | De Bree, H.-E. | Microflown Technologies | Netherlands |
| Unified Analysis Model and Topology Optimization of an Acoustical System including a Poro-Elastic Material | Kim, Y.Y. | Seoul National University | Republic of Korea |
| | Lee, J.S. | Seoul National University | Republic of Korea |
| | Kim, J.S. | Seoul National University | Republic of Korea |
| | Kang, Y.J. | Seoul National University | Republic of Korea |
| The effect of flow resistivity on sound absorption and sound transmission loss of film-faced poroelastic foam | Kim, J.-W. | United Technologies | United States of America |
| Prediction of the Monopole Acoustic Field above Porous Layers | Allard, J.-F. | LAUM, UMR CNRS 6613 | France |
| Fabrication of Novel Microcellular Acoustical Foams with Controlled Structure and Morphology | Ahmed, M.S. | University of Toronto | Canada |
| | Park, C. | University of Toronto | Canada |
| | Atalla, N. | Université de Sherbrooke | Canada |
| Progress in Micro-Perforated Panel Absorbers Research | Jiao, F. | Inst. of Acoust., CAS | China |
| | Liu, K. | Inst. of Acoust., CAS | China |
| Tima domain modelling of finite amplitude acoustic pulse in rigid porous media | Umnova, O. | Salford University | United Kingdom |
| | Turo, D. | Salford University | United Kingdom |
| Biot model for transverse porous materials | Lielens, G. | Free Field Technologies S.A. | Belgium |
| | Coyette, J.-P. | Free Field Technologies S.A. | Belgium |
| Characterization of the ultrasonic waves in a water-saturated porous plate via its acoustic impulsive response. | Derible, S. | LOMC FRE 3102 CNRS | France |
| | Franklin, H. | LOMC FRE 3102 CNRS | France |
| | Campistrone, P. | IEMN UMR CNRS 8520 FANO 3110 | France |
| | Nongaillard, B. | IEMN UMR CNRS 8520 FANO 3110 | France |
| Estimation of non Acoustical Parameters of Porous Materials Using Sensitivity Analysis and Global Minimisation Algorithms | Garoum, M. | EST Salé | Morocco |
| | Idchabani, R. | EST Salé | Morocco |
| | Rhachi, M. | EST Salé | Morocco |
| Application of micro-perforated materials in sustainable building envelopes | Kang, J. | University of Sheffield | United Kingdom |
| Ultrasound Impulse Propagation in Wet Dense Marine Quartz Sand in Situ. | Vilchinska, N. | LAA | Latvia |
| A new set-up to measure the viscoelastic properties of porous media using a specific electrodynamic transducer | Dauchez, N. | LAUM | France |
| | Doutres, O. | LAUM | France |
| | Genevaux, J.-M. | LAUM | France |
| | Lemarquand, G. | LAUM | France |
| Active Multilayered Panels Based on Porous Materials for Improving Acoustic Performance. | Sitel, A. | Centre Acoustique du LMFA, ECL | France |
| | Hu, Y. | Centre Acoustique du LMFA, ECL | France |
| | Galland, M.-A. | Centre Acoustique du LMFA, ECL | France |
| Modeling of Multilayered Sound Insulators Including Poroelastic Material in Industrial Conditions | Monet Descombey, J. | UTC | France |
| | Hamdi, M.-A. | UTC | France |
| | Zhang, C. | Renault S.A.S. | France |
| An efficient System Approach for Integration of Porous Elastic Materials in Finite Element Models of Vehicles | Hamdi, M.-A. | UTC | France |
| Numerical methodology for determining the cut-off frequency of the anechoic chamber of the University of Ferrara | Bonfiglio, P. | ENDIF | Italy |
| | Pompili, F. | ENDIF | Italy |
| Experimental reproducibility investigation on physical and acoustical characterization of porous media | Pompili, F. | ENDIF | Italy |
| | Bonfiglio, P. | ENDIF | Italy |
| | Prodi, N. | Dip.di Ingegneria, ENDIF | Italy |
| | Horoshenkov, K. | University of Bradford | United Kingdom |
| | Khan, A. | University of Bradford | United Kingdom |
| | Bécot, F.-X. | Matelys-AcV | France |
| | Jaouen, L. | Matelys-AcV | France |
| | Gourdon, E. | DGCB URA CNRS1652 ENTPE | France |
| | Sgard, F. | Matelys-AcV | France |
| | Renault, A. | ENTPE | France |
| | Amirouche, N. | ENTPE | France |
| | Pispola, G. | Industrial Eng. Dept Perugia | Italy |
| | Asdrubali, F. | Industrial Eng. Dept Perugia | Italy |
| | Hübelt, J. | AFD Dresden | Germany |
| | Atalla, N. | Université de Sherbrooke | Canada |

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| | Amédin, C. | Université de Sherbrooke | Canada |
| | Lauriks, W. | KU Leuven | Belgium |
| | Boeckx, L. | Huntsman Polyurethanes | Belgium |
| characterization of the ultrasonic waves in a water-saturated porous plate via its acoustic transfer function | Campistron, P. | IEMN UMR CNRS 8520 FANO 3110 | France |
| | Nongillard, B. | IEMN UMR CNRS 8520 FANO 3110 | France |
| | Derible, S. | LOMC FRE 3102 CNRS | France |
| | Franklin, H. | LOMC FRE 3102 CNRS | France |
| Analytical modelling of a novel acoustic absorber for space launcher fairings using modified BIOT Equations | Kanfoud, J. | UTC | France |
| | Hamdi, M.-A. | UTC | France |
| An efficient System Approach for Integration of Porous Elastic Materials in Finite Element Models of Vehicles | Hamdi, M.-A. | UTC | France |
| Porous Foams with Active Implants Improving Acoustic Absorption | Zielinski, T. | Inst. of Fund. Technol. Research | Poland |
| Evaluation of simplified poroelastic models | Nennig, B. | UTC - Lab. Roberval UMR 6253 | France |
| | Chazot, J.-D. | UTC - Lab. Roberval UMR 6253 | France |
| | Perrey-Debain, E. | UTC - Lab. Roberval UMR 6253 | France |
| | Ben Tahar, M. | UTC - Lab. Roberval UMR 6253 | France |
| Checking of an Optimal Sound Absorbing Microporous Structure | Perrot, C. | Université Paris-Est | France |
| | Chevillotte, F. | INSA de Lyon | France |
| | Panneton, R. | Université de Sherbrooke | Canada |
| Enhanced Biot's finite element displacement formulation for porous materials and original resolution methods | Dazel, O. | LAUM | France |
| | Geslain, A. | LAUM | France |
| | Brouard, B. | LAUM | France |
| | Dauchez, N. | LAUM | France |
| Introduction of curved trims in Virtual SEA models using poroelastic finite elements in the middle frequency range | Duval, A. | Faurecia AST | France |
| | Baratier, J. | Faurecia AST | Germany |
| | Dejaeger, L. | Faurecia AST | France |
| Internal Mean Flow Effects on the Bulk Acoustic Properties of Rigid Porous Media | Cummings, A. | University of Hull | United Kingdom |
| Optimising Open Porous Foam for Acoustical and Vibrational Performance | Lind, E. | AVE Farkost och Flyg | Sweden |
| | Goransson, P. | AVE Farkost och Flyg | Sweden |
| Acoustic properties of auxetic open cell foams: model and experimental results | Chekkal, I. | University of Bristol | United Kingdom |
| | Bianchi, M. | University of Bristol | United Kingdom |
| | Remillat, C. | University of Bristol | United Kingdom |
| | Scarpa, F. | University of Bristol | United Kingdom |
| | Bécot, F.-X. | Matelys-AcV | France |
| | Jaouen, L. | Matelys-AcV | France |
| ANISOTROPIC POROUS MATERIALS, and then? | Goransson, P. | AVE Farkost och Flyg | Sweden |
| | Horlin, N.-E. | Aero & Vehicle Engineering | Sweden |
| Some Sort Of Numerical Improvement : Analysis Of Extreme Cases | Brouard, B. | LAUM | France |
| | Dazel, O. | LAUM | France |
| Sound wave propagation in cancelous bone: modified Biot's models | Depollier, C. | Laum | France |
| | Naas, M. | Laum | France |
| | Sebaa, N. | LAUM | France |
| | Legland, J.B. | Laum | France |
| | Ogam, E. | LMA CNRS UPR7051 | France |
| | Fellah, Z.E.A. | LMA CNRS UPR7051 | France |
| Sound propagation in and low frequency noise absorption by helium-filled porous material | Choy, Y.S. | Dep. of Mechanical Engineering | Hong Kong |
| | Huang, L. | Dep. of Mechanical Engineering | Hong Kong |
| Poro-elastic material characterisation methods by using standing wave tubes: history and current issues related to Biot parameter estimation | Bolton, J.S. | School of Mechanical Engineering | United States of America |
| Microcellular thermoplastic foams: structure control & new technology | Benkreira, H. | University of Bradford | United Kingdom |
| Transfer function based method to identify frequency dependent Young's modulus, Poisson's ratio and damping loss factor of poroelastic materials | Bertolini, C. | RIETER Automotive management AG | Switzerland |
| | Courtois, T. | RIETER Automotive management AG | Switzerland |
| | Gaudino, C. | RIETER Automotive management AG | Switzerland |
| | Marotta, L. | RIETER Automotive management AG | Switzerland |
| Sound Waves and Shear Waves in Marine Sediments | Buckingham, M.J. | Marine Physical Laboratory | United States of America |
| Modeling the low, mid and high frequency response of poroelastic materials in vibro-acoustic applications | Shorter, P. | ESI US R&D | United States of America |
| Industrial applications overview of trim FEM simulation at component level using Rayon-VTM-TL | Duval, A. | Faurecia AST | France |
| Linear and nonlinear acoustics of unconsolidated granular media | Toumat, V. | LAUM, UMR CNRS 6613 | France |
| | Gusev, V. | LPEC | France |
| | Inserra, C. | LAUM, UMR CNRS 6613 | France |
| | Aleshin, V. | LAUM, UMR CNRS 6613 | France |
| | Jacob, X. | LAUM, UMR CNRS 6613 | France |
| | Merkel, A. | LAUM, UMR CNRS 6613 | France |
| | Dazel, O. | LAUM | France |
| | Zaitsev, V. | LAUM, UMR CNRS 6613 | France |
| | Béquin, P. | LAUM, UMR CNRS 6613 | France |
| | Castagnède, B. | LAUM, UMR CNRS 6613 | France |