

Poster Session - PhotoMechanics 2013 (Montpellier May 27-29)

Poster (panel) Number		Poster Session	Title	Authors
1	1	Bio-mechanics	IMAGE CORRELATION TO EVALUATE INFLUENCE OF HYGROTHERMAL LOADING ON WOOD	C. Gauvin, D. Jullien and J. Gril
2	1	Damage fracture fatigue	DISSIPATION MEASUREMENTS DURING ULTRASONIC FATIGUE TESTS	A. Blanche, N. Ranc, V. Favier and A. Chrysochoos
3	2	Damage fracture fatigue	EXPERIMENTAL IDENTIFICATION OF COHESIVE ZONE MODELS FROM THERMOMECHANICAL IMAGING TECHNIQUES	S. Wen, Y. Monerie, B. Wattrisse and L.Sabatier
4	3	Damage fracture fatigue	FATIGUE BEHAVIOUR OF D.A. INCONEL 718 ALLOY UNDER TENSION-TORSION LOADING	A. Maynadier, S. Carbillet, V. Placet, F. Amiot, A. Seror, A. Longuet and C. Mary
5	4	Damage fracture fatigue	3D STUDY OF CRACK PROPAGATION DURING TENSILE TEST IN AL512 CAST Alloy REINFORCED WITH COMPLEX SHAPE OF INTERMETALLICS	A. Tireira, G. Requena, A. Borbély and H. Klocker
6	5	Damage fracture fatigue	HEAT DISSIPATION STUDY UNDER FATIGUE BASED ON INFRARED DATA PROCESSING	A. Fedorova, M. Bannikov, A. Terekhina and O. Plekhov
7	1	Micromechanics	MICRO-SCALE FULL-FIELD STRAIN MEASUREMENT ON A STAINLESS STEEL SAMPLE ELASTO-PLASTICALLY TESTED	R. Moulart and R. Rotinat
8	2	Micromechanics	Micro-mechanism of iPP/MWCNT deformation: a Multi-scale approach coupled with 2D and 3D Digital image correlation	R. Léger, A.S. Caro-Bretelle, P. Ienny, P. Vacher, E. Ivanov and R. Kotsilkova
9	3	Micromechanics	INFLUENCE OF MICROSTRUCTURE ON THE MICRO-MECHANICAL BEHAVIOUR OF Ta/TA6V HETEROGENEOUS WELDED JOINT	T. Paris, V. Vignal, C. Touvret and F. Herbst
10	4	Micromechanics	3D FULL STRAIN ANALYSIS OF WOOD-BASED FIBERBOARDS USING X-RAY COMPUTED MICROTOMOGRAPHY AND DIGITAL VOLUME CORRELATION	H. Tran, P. Doumalin, C. Delisée, J.C. Dupré, A. Germaneau and J. Malvestio
11	5	Micromechanics	Elastic strain field measurement at the micron scale by digital image correlation treatment of laue diffraction patterns	F.G. Zhang, O. Castelnaud, M. Bornert, J. Petit, O. Robach, J.S. Micha
12	1	Material identification	GLOBAL AND LOCAL IDENTIFICATION ON COMPOSITE MATERIAL	E. Péronnet, O. Dalverny, S. Mistou and M. Fazzini
13	2	Material identification	Phase mechanical property identification using inverse homogenization approaches and strain field measurements.	Q.T. Vo, C. Duriez, Y. Monerie and S. Pagano
14	3	Material identification	STUDY OF THE MECHANICAL BEHAVIOUR OF A FLEXIBLE CERAMIC BY OPTICAL METHODS	Y. Belrhiti, A. Germaneau, P. Doumalin, J.C. Dupré
15	4	Material identification	MODIFIED CONSTITUTIVE RELATION ERROR : IDENTIFICATION OF ELASTIC PROPERTIES	S. Huang, M. Ben Azzouna, P. Feissel and P. Villon
16	1	Surface Imaging - Others	CHARACTERIZING THE MECHANICAL BEHAVIOUR OF TWO TYPES OF ASPHALT MIXTURE WITH THE GRID METHOD	E. Toussaint, M. Grédiac, C. Petit, A. Millienand D. C. Nguyen
17	2	Surface Imaging - Others	Measuring the surface appearance: From modal texture mappings to a 3D representation of the visual information	G. Le Goic, H. Favreliere, S. Desage, S. Samper and M. Pillet
18	3	Surface Imaging - Others	Medium velocity impact force gauging by digital image correlation	J.C.-Passieux, P. Navarro, S. Marguet, J.-F. Ferrero and J.-N. Périé
19	4	Surface Imaging - Others	CHARACTERIZATION OF THE SQUEAKING PHENOMENON FOR THE TOTAL HIP IMPLANTS WITH HIGH-SPEED CAMERAS	J. Grandjean, S. Samper, Y. Ledoux, R. Billard, P. Vacher, L. Devun and T. Gradel
20	1	Surface imaging DIC - Stereocorrelation	High-speed digital image correlation: application to bi-axial fatigue	D. Busca, M. Fazzini, B. Lorrain, S. Mistou, M. Karama and M.L. Pastor
21	2	Surface imaging DIC - Stereocorrelation	RANDOM ERROR OF MEASURED STRAIN FIELD IN DIC DUE TO BIASED DISPLACEMENT MEASUREMENT	Y. Wang, P. Lava, P. Van Houtte and D. Debruyne
22	3	Surface imaging DIC - Stereocorrelation	Use of digital image correlation technique to determine thermal expansion in the case of anisotropic materials and inhomogenous thermal loading	C. Flament, B. Berthel, M. Salvia and G. Crosland
23	4	Surface imaging DIC - Stereocorrelation	Experimental approach to characterise the influence of the architecture of uniaxial non-crimp fabrics based GFEP composites	B. Martin, N. Billon and C. Binetruy
24	1	Thermo-Mechanical Analysis	An original method to estimate local thermophysical properties and latent heat from Thermal Field Measurement (TFM)	V. Delobelle, D. Favier, H. Louche and N. Connesson
25	2	Thermo-Mechanical Analysis	ANALYSIS OF THE THERMOMECHANICAL BEHAVIOR OF COARSE-GRAINED POLYCRYSTALLINE ALUMINUM UNDER TENSILE CONDITIONS	L. Li, J.M. Muracciole, L. Sabatier, L. Waltz and B. Wattrisse
26	3	Thermo-Mechanical Analysis	THERMOELASTICITY OF FATIGUE CRACK TIP INVESTIGATED BY INFRARED THERMOGRAPHY	A. Terekhina, M. Bannikov, A. Fedorova and O. Plekhov
27	4	Thermo-Mechanical Analysis	Experimental evidence of stress network in a 2D granular material under confined compression by infrared thermography	C. Chaiamarit, X. Balandraud, M. Grédiac and I. Preechawuttipong
28	5	Thermo-Mechanical Analysis	THERMOGRAPHY TECHNIQUES FOR NON DESTRUCTIVE EVALUATION OF COATED MATERIALS	U. Galietti and D. Palumbo
29	6	Thermo-Mechanical Analysis	Applying infrared thermography to characterize the mechanical dissipation in Cu-Zn-Al shape memory alloys exhibiting various chemical compositions	X. Balandraud, C. Bubulinca, M. Grédiac, S. Stanciu and M. Abrudeanu
30	7	Thermo-Mechanical Analysis	TOWARDS THERMOMECHANICAL HEAT SOURCE RECONSTRUCTION IN PRESENCE OF ADVECTION USING BOTH DIC AND THERMAL IMAGING	J. Ye, L. Farge, A. Neveu and S. André
31	8	Thermo-Mechanical Analysis	NON DESTRUCTIVE TESTING OF ARTIFICIAL DEFECTS IN COMPOSITE STRUCTURES BY THERMAL FULL FIELD MEASUREMENT METHODS	E. Péronnet, M.L. Pastor, H. Welemene and R. Huillery
32	1	Volumetric imaging	A Fast method for Volumetric Full-field Displacement Measurement: PGD-DVC	L.A. Gomes Perini, J.C. Passieux and J.N. Périé
33	2	Volumetric imaging	X- μ CT AND DVC USE FOR COMPOSITE MATERIALS ANALYSIS	R. Brault, A. Germaneau, P. Doumalin, J.C. Dupré, M. Fazzini and S. Mistou
34	3	Volumetric imaging	3D anisotropic mesh generation adapted to the X-ray microtomography image content	N. El Kosseifi, J. Bruchon, L. Silva and T. Coupeuz
35	4	Volumetric imaging	High resolution optical methods for shear stress measurements in complex fluids	F. Gibouin, J.C. Dupré, V. Valle, S. Jarny and P. Monnet