

Program
July 3 , 2019



7H00	Welcoming of participants		
8H15	Introduction		
Session 1			
Chairman Ph. Kapsa			
8H35	9H15	Keynote speaker	 <p style="text-align: center;">Roughness control and Surface texturing in lubrication D. Mazuyer, Professor Ecole Centrale de Lyon (France)</p>
9H15	9H35	Conference 023	Surface topography fine structure and sub-surface defects in laser powder bed fusion metal additive parts Zachary C. Reese, Chris Evans, Jason Fox, Felix Kim, John Taylor
9H35	9H55	Conference 026	Model-based design of areal material measures based on component surfaces M Eifler, K Klauer, J Seewig, B Kirsch, JC Aurich
9H55	10H15	Conference 003	Effect of Material Extrusion Temperature and Speed on the Properties of 3D Printed PEEK Parts S.A. Brady, S. Lesko and D. P. Dowling
10H15	10H35	Conference 031	Evaluation of methods for analysis of metal AM surface texture J Berglund,, J Holmberg,, O Flys,, A Wretland, B-G Rosén
10H35	11H00	Coffee break	
Session 2			
Chairman B.G. Rosén			
11H00	11H20	Conference 033	Surface topography characterization of barriers produced by additive manufacturing for guided bone regeneration B-G Rosen, Vijeth Reddy,, Amogh Vedantha Krishna, Peter Abrahamsson
11H20	11H40	Conference 034	Influence of surface topography on diffusion bonding of stainless steel parts Chris Evans, Brigid Mullany, Brian K. Paul, Venkata Rajesh Saranam, Ali Tabei, Subhasree Srenevas
11H40	12H00	Conference 039	Features selection approaches for an objective control of cosmetic quality of coated surfaces S. Bessonnet ,, M. El Mansori,, S. Mezghani, R. Pee, S. Pinault
12H00	12H20	Conference 043	Methods for high accuracy characterisation of surface texture Abdullah Karatas, Jörg Seewig, Philipp Arnecke, Bastian Barwick
12H30	13H45	Lunch	
Session 3			
Chairman M. El Mansori			
13H45	14H25	Keynote speaker	 <p style="text-align: center;">Surface engineering I. Smurov, Professor Ecole Nationale de Saint-Etienne (France)</p>
14H25	14H45	Conference 010	Surface characterisation with light scattering and machine learning M. Doubenskaia, I. Smurov,, A. Sova, P. Petrovskiy
14H45	15H05	Conference 049	Multiscale characterization of mass finished rings T Bartkowiak, B Gapiski, K Grochalski, M Wieczorowski
15H05	15H25	Conference 053	Polishability of coatings – a case study B-G Rosen, S Rebbegiani, Simon Palm
15H25	15H50	Conference 060	Crossing-The-Line Segmentation as a Basis for Roughness Parameter Evaluation J Seewig, PJ Scott, M Eifler, D Hüser
15H50	16H15	Coffee break	
Session 4			
Chairman L. Blunt			
16H15	16H55	Keynote speaker	 <p style="text-align: center;">Multi-scale-analysis & Characterisation of surface topography C. Brown, Professor Worcester Polytechnic Institute (USA)</p>
16H55	17H15	Conference 011	Surface characterisation with light scattering and machine learning Mingyu Liu, Nicola Senin, , Richard Leach
17H15	17H35	Conference 013	Multiscale analyzes of pavement texture during polishing W Edjeou, , V Cerezo, H Zahouani, F Salvatore
17H35	17H55	Conference 064	An exploration of motifs parameters using watershed segmentation and morphological envelopes F Blateyron, B Leroy
17H55	18H15	Conference 016	Development of a novel method to characterize mean surface peak curvature of dental implant surfaces A Zabala, L Blunt, A Aginagalde, I Llavori, Naiara Rodriguez-Florez, W Tato
18H15	18H35	Conference 019	A topographical analysis based on three transformations R Vayron, C David, R Deltombe, F Robache, G Le Goic, M Bigerelle
17H55	End		


Program
July 4 , 2019



8H15			Introduction		
Session 5 Chairman V. Fridrici					
9H35	9H15	Keynote speaker		Measuring archaeological surfaces to throw light on the present and prepare for the future H. Procopiou, Professor Université Paris Panthéon Sorbonne (France)	
9H15	9H35	Conference 029	Areal surface topography representation of as-built and post Olena Flys,, Amogh Vedantha Krishna,, Vijeth V Reddy, Johan Berglund		
9H35	9H55	Conference 032	Investigations on modeling and visualization of surfaces Olena Flys,, Vijeth Reddy,, Amogh Vedantha Krishna, B-G Rosen		
9H55	10H15	Conference 035	Surface defect detection and quantification using statistical based metrics F Azimi, B Mullany		
10H15	10H35	Conference 069	The influence of edge effect on the wavelet analysis process Gogolewski D, Makiela W.		
10H35	11H00	Coffee break			
Session 6 Chairman R. Leach					
11H00	11H20	Conference 006	Comparison of three multiscale approaches for topography analysis R Guibert, S Hanafi, M Bigerelle, C A Brown		
11H20	11H40	Conference 042	Investigation into the multifractal pattern of frictional surfaces in selected natural locomotors H. A. Abdel-Aal, H. Zahouani, M. El Mansori		
11H40	12H00	Conference 036	A model of light transmission on abraded glasses M Bigerelle, F Robache, PE Mazeran		
12H00	12H20	Conference 052	Material & Surface design methodology – the user study framework M Bergman, B-G Rosen, L Eriksson, L Lundeholm		
12H30	13H45	Lunch			
Session 7 Chairman P. Pawlus					
9H35	9H15	Keynote speaker		Surfaces - Topography and Topology G.W. Wolf, Professor University of Salzburg (Austria)	
14H25	14H45	Conference 008	Improving Accuracy of Fitting of Freeform Surfaces M Poniatowska, D Groch		
14H45	15H05	Conference 070	Vertical Focus Probing and smooth surface measurement by an optical surface measuring instrument based on Focus-Variation K Zangl, R Danzl, F Helml, M Prantl		
15H05	15H25	Conference 037	Multiscale analysis of the morphological signature of roping J. Marteau, J.-D. Mithieux, R. Deltombe, M. Bigerelle		
15H25	15H50	Conference 050	Performance of Pin and Roller Surfaces of Truck's Valvetrain under Contaminated Lubricating Conditions S. John, P.-J. Lööf, Z. Dimkovski, Jonas Lundmark, J. Mohlin, Lars Hammerström		
15H50	16H15	Coffee break			
Session 8 Chairman M. Bigerelle					
16H15	16H35	Conference 051	Influence of different post-processing methods on surface Amogh Vedantha Krishna, Vijeth V Reddy, Olena Flys, Gunnar Nilsson		
16H35	16H55	Conference 065	Feature-based characterisation of Ti6Al4V electron beam powder bed fusion surfaces fabricated at different orientations Lewis Newton, Nicola Senin, Bethan Smith and Richard Leach		
16H55	17H15	Conference 066	Mathematical reference standards for validating software for calculating surface texture parameters Luke Todhunter, Richard Leach, Simon Lawes, François Blateyron and Peter Harris		
17H15	17H35	Conference 067	Optical metrology and multi-scale characterization of surfaces Simon Desage		
17H35	17H55	Conference 068	The Use of Areal Surface Texture Parameters in Characterization of Worn Surfaces P Pawlus, A Dzierwa		
17H55		End			
Gala diner					
19H30	<i>Boat Hermes II</i>		<i>Boarding, Marriott Hotel</i>		
20H00			<i>Departure of navigation, visit of Lyon</i>		
22H30			<i>Arrival, Marriott Hotel</i>		
23H30			<i>End of the gala dinner</i>		
Last minute registration for the gala dinner: contact the organizing committee (Price 90 €)					

Program
July 5 , 2019



8H15	8H35	Introduction	
Session 9 Chairman C. Brown			
8H35	9H15	Keynote speaker	 <p>Wettability and surface texture E. Contraires, Assistant Professor Ecole Centrale de Lyon (France)</p>
9H15	9H35	Conference 041	Analysis of the effects of different sheaves surfaces S Groeger, R Hofmann, F Segel, D Storch, A Schmieder, M Golder
9H35	9H55	Conference 055	Coherent Wave Scattering Technology for Decision Making on S Rebyggiani, L Bååth,, B-G Rosen, Z Dimkovski
9H55	10H15	Conference 056	Case studies in X-ray computed tomography surface texture Adam Thompson, Nicola Senin, Richard Leach
10H15	10H35	Conference 057	The Development of Long-Wavelength X-Ray Reflectivity for Thin Films Thickness Measurement in Semiconductor Industry Bo-Ching He, Guo-Dung Chen, Chun-Ting Liu, Wei-En Fu and Wen- Li Wu
Session 10 Chairman C. Thieulin			
10H35	11H00	Coffee break	
11H00	11H20	Conference 058	Controlling the visual appearance and texture of injection A. Sjögren, B-G Rosen, Vijeth Reddy, Amogh V
11H20	11H40	Conference 063	Optical properties of micro-textured injected polymer parts R. Labayrade, A-C Brulez, S. Valette, E. Contraires, S. Benayoun
11H40	12H00	Conference 009	Detonation spraying : technology, equipment and applications V. Ulianitsky, I. Smurov, A. Sova
12H00	12H20	Conference 047	A coupled method for characterizing the elasticity, firmness M. Ayadh,, M-A. Abellan, C. Didier, A. Bigouret, H. Zahouani
12H20	12H40	Conference 005	Skin folding phenomenon investigation: insights on skin A Guillermin, M Ayadh, E Feulvarch, H Zahouani
12H40		End	Conclusion