

DAY I, Wednesday, October 16 th	08h00 - 09h00	Registration (Conference site)	
	09h00 - 9h30	Opening ceremony - French Embassy - Rector	
	Session 1 : Additive Manufacturing		
	Chair: A. Rusinek and P. Platek		
	09h30 - 10h00	Keynote Lecture 1: Prof. Paul Wood (University of Derby, United Kingdom)	
	10h00 - 10h15	U. Gunpath, B. Richardson, P. Marzena, P. Wood (UK) <i>Effect of accelerated ageing on polyamide 12 and 11 manufactured by laser based powder bed fusion</i>	
	10h15 - 10h30	J. Sienkiewicz, T. Libura, Z. Nowak, Z. Kowalewski (PL) <i>The influence of build parameters on the collapse behavior of a highly porous random open-cell lattice 3D printed in IN718 alloy</i>	
	10h30 - 11h00	Coffee break	
	11h00 - 11h15	M. Jaziri, B. Larbi, K. Boulahem, O. Trabelsi, M. Ayadi (TUN) <i>The additive manufacturing of a fluidic conduit inspired by tracheal geometry</i>	
	11h15 - 11h30	M. Abdi, M. Ayadi (TUN) <i>Predicting shrinkage porosity defects in metallic castings using SPH</i>	
	11h30 - 12h00	Visit of the LASMAP laboratory	
	12h00 - 14h00	Lunch	
	Session 2 : Ballistic and blast loading		
	Chair: M. Sahraoui and P. Wood		
	14h00 - 14h30	Keynote Lecture 2: Dr. Pawel Platek (Military Academy of Warsaw, Poland)	
	14h30 - 14h45	Hamza Ousji (TUN) <i>Transmitted Impulse Measurement System (TIMS): Experimental and Numerical study</i>	
	14h45 - 15h00	A. Maazoun, O. Atoui, L. Karous, A. Siala, D. Lecompte <i>Reinforced concrete slabs with externally bonded CFRP reinforcement under blast loading</i>	
	15h00 - 15h30	Coffee	
	15h30 - 15h45	H. Ousji, F. Coghe (TUN / BE) <i>Johnson-Cook damage model parameters of Secure 500 ballistic steel using tensile tests: experimental and numerical study</i>	
	15h45 - 16h00	O. Atoui, M. Azer, L. Karous, A. Siala, D. Lecompte (TUN/BE) <i>Experimental testing of a simplified improvised explosive device simulat using an explosive driven shock tube</i>	
	16h00 - 16h15	Tunde Anna Kovacs (HU) <i>Investigation of explosion effect on austenitic stainless steel</i>	
	16h15 - 16h30	Zoltan Nyikes (HU) <i>Expert application for the explosive cladding process specification</i>	
	16h30 - 17h00	MOU signature - French Embassy	
	17h00 - 18h00	Round Table	
DAY II, Thursday, October 17 th	Session 3 : Tribology and Machining		
	Chair: M. Rodriguez-Millán and U. Gunpath		
	09h00 - 09h30	Keynote Lecture 3: Dr. Virginija Gyliene (Kaunas University of Technology, Lithuania)	
	09h30 - 09h45	V. Gyliene, A. Širvaitis (LI) <i>The application of smooth particles hydrodynamics method to solve high strain rate problems in chip removal field.</i>	
	09h45 - 10h00	D. Saidi, M. A. Djema, H. Siguerdjidjene, K. Hamouda (AL) <i>The effect of tribofinishing process on surface state of steel AISI</i>	
	10h00 - 10h30	Coffee Break	
	10h30 - 10h45	M. C. Chniti, M. Zouari, M. Abid (TUN / FR) <i>Effect of Temperature on the Tribological Performance of Micro-Arc Oxidation Coatings on Aluminum Alloy</i>	
	10h45 - 11h00	László TÓTH (HU/FR) <i>Experimental Study on the Effect of Heat Treatment Technologies on the Wear Properties of Unimax Tool Steel</i>	
	11h00 - 11h15	M. Saidi, B. Saidi, A. Boulila (TUN) <i>Analysis of the dynamic behavior of the cutting tool in the drilling centering process.</i>	
	11h15 - 11h30	T. Bensana, M. Fnides, M. Mihoub (AL) <i>Detection and monitoring of fault in geared system using EEMD approach and ARSGW process</i>	
	11h30 - 11h45	M. Bensaada, L. Elkarous, S. Abdelkhalek (TUN) <i>Numerical modelling of the engraving process inside a 5.56 mm barrel</i>	
	12h00 - 14h00	Lunch	
	Session 4 : Dynamic behavior of materials under extreme loading		
	Chair: S. Belouattar and P. Wood		
	14h00 - 14h30	Keynote Lecture 4: Dr. Eng. Slim Bahi (Université de Lorraine, France)	
	14h00 - 14h30	H. Ousji, K. Miled, A. Siala, B. Belkassam, D. Lecompte <i>Dynamic behaviour of low-density EPS concrete under air-blast loads: Experimental study</i>	
	14h30 - 14h45	L. Elkarous, M. Dhouibi, M. Ben Saadad, O. Atoui et al. (TUN) <i>Experimental and numerical study of the bullet's behavior in water at high entry velocity</i>	
	14h45 - 15h00	Coffee Break	
	15h00 - 15h30	B. Jia, P. Chen (PRC) <i>Experimental and numerical study on ballistic impact behavior of explosively-welded double-layered Weldox700E targets against ogival nosed projectiles</i>	
	15h30 - 15h45	M. Rodríguez-Millán, A. Pai, K. Chandrakant, J. A. Loya et al. (SP) <i>Analysis of the dynamic behavior of FML under helium-driven shocks</i>	
	15h45 - 16h00	P. Wood, U. Gunpath, M. Pawlik, L. Yiling, P. Platek (UK/PL) <i>High strain rate and temperature effects on the viscoelastic behaviour of 3D printed Nylon PA11</i>	
	DAY III, Friday, October 18 th	Session 5 : Modeling and Computation of Structures	
		Chair: F. Najjar and P. Platek	
		09h00 - 09h30	Keynote Lecture 5: Dr. Azer Maazoun (Military Academy of Fondouk Jedid, Tunisia)
09h30 - 09h45		A. Bendarma, T. Jankowiak, C. Czarnota, T. Lodygowski (PL/FR) <i>Experimental and Numerical Analysis of Aluminum-Polyethylene Composite Structures Under Dynamic Tension and Perforation Across Various Temperatures</i>	
09h45 - 10h00		T. Jankowiak, A. Bendarma, A. Rusinek (PL/FR) <i>Numerical simulation of the S2-glass/epoxy composite perforation</i>	
10h00 - 10h15		H. Rahali, S. Kouba, M. Zouari (TUN) <i>Numerical simulation of the powder bed fusion (PBF) process and the effect of changing substrate materials</i>	
10h15 - 10h30		Coffee Break	
10h30 - 10h45		A. H. Almasri, I. Jabur (UAE) <i>Using The Finite Element Method To Evaluate The Global Buckling Of Steel Girders With Different Depths</i>	
10h45 - 11h00		T. Jankowiak, M. Malendowski, S. Wojciech, W. Frantisek et al (PL) <i>Calibration of the induction heating system for dynamic compression and for quasi-static tensile tests</i>	
11h00 - 11h15		Y. HAMAMI, M. Zouari (TUN) <i>Numerical modeling of energy absorption during a crush test on epoxy/ glass fiber composite materials</i>	
11h15 - 11h30		T. Rezgui, S. Helaili, W. Barhoumi (TUN) <i>Fall Risk Assessment in Elderly Populations based on Dynamic Modeling and Classification techniques</i>	
11h30 - 11h45		S. Mehrez, F. Najjar, T. Rezgui (SA/TUN) <i>Physics Informed Neural Network to predict the dynamic parameters of the human trunk model based on perturbation displacement signal</i>	
11h45 - 12h00		I. Soltani, A. Barkaoui (TUN/MA) <i>Mechanobiological bone remodeling simulation model</i>	
12h00 - 14h00		Lunch	
15h00 - 19h00		Social Event	