

MDA2026
6TH INTERNATIONAL CONFERENCE
ON MATERIALS DESIGN AND APPLICATIONS
2-3 July 2026 - FEUP, Porto - Portugal

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Programme of MDA 2026

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* Plenary lecture

Thursday 2 July 2026		
8:40	MDA 2026 Opening (Room B002)	
9:00*	Metamaterials with Poisson's ratio discontinuity (MDA26_2) <u>T-C Lim</u> (Singapore University of Social Sciences, Singapore)	
	Session 1A – Metamaterials I (Chair: T-C Lim, Q Ji)	Session 1B – Metals (Chair: MM Kasaei, R Ramful)
	Room B002	Room B003
9:40	Vascular bundle inspired WAAM 3D printed metamaterial for negative Poisson's ratio (MDA26_26) <u>FM Mwema</u> (University of South Africa, South Africa), N Ndou	Physically-based global-local model fatigue life approach for upscaling the offshore wind support structures (MDA26_36) <u>MJ Haider</u> (University of Galway, Ireland), M Toursangsaraki, R Barrett, S Leen
10:00	Flexural properties of functionally graded beams: design through mathematical parametrization and experimental characterization (MDA26_32) <u>DL Ramírez-Gutiérrez</u> (Tecnologico De Monterrey, Mexico), E Cuan-Urquizo, A Roman-Flores	Impact and ballistic performance of steel-to-aluminium solid state joints (MDA26_84) <u>EAS Marques</u> (University of Porto, Portugal), H Macieira, RJC Carbas, LFM da Silva
10:20	Design and analysis of planar low-porosity auxetic mechanical metamaterials (MDA26_35) <u>A Sorrentino</u> (University of Modena and Reggio Emilia, Italy), D Castagnetti	Analysis and modeling of the cyclic behavior of steel structures reinforced with bonded shape memory alloys (MDA26_95) <u>M Rokbani</u> (CESI Brest Campus, France), S de Barros
10:40-11:00	COFFEE BREAK (Coffee Lounge)	
	Session 2A – Adhesive bonding (Chair: X Han, S De la Flor)	Session 2B – Design (Chair: D Castagnetti, C Fernandes)
	Room B002	Room B003
11:00	Master curve framework for unifying static and cyclic creep behaviour in pressure-sensitive adhesives (MDA26_13) <u>BD Simões</u> (INEGI, Portugal), EAS Marques, RJC Carbas, S Maul, P Stihler, P Weißgraeber, LFM da Silva	A sensing damper based on a piezoelectric elastomer (MDA26_42) <u>LN Nicolini</u> (University of Modena and Reggio Emilia, Italy), AS Sorrentino, DC Castagnetti

11:20	Prediction of stress evolution and damage characteristics in e-potting structures under cyclic thermal environments (MDA26_87) <u>X Han</u> (Dalian University of Technology, China)	Towards circular skateboard manufacturing: Life cycle assessment and energy optimization of polymer deck production (MDA26_50) K Koumenidou, <u>T Kadiri</u> (Frederick University, Cyprus), L Papadakis, P Fokaides
11:40	Design of rebondable and recyclable structural adhesives using dynamic vanillin polyimine chemistry (MDA26_44) A Vilanova, A Roig, <u>S De la Flor</u> (Universitat Rovira i Virgili, Spain)	The adaptive dynamics of a reconfigurable air-coupled ultrasonic transducer fabricated using the shape memory polymer polycaprolactone (MDA26_54) <u>J McKenna</u> (University of Glasgow, Glasgow, UK), C Dowling, KMM Tant, A Feeney
12:00	Thermally triggered interfacial debonding for lid to frame disassembly in electric vehicle battery pack (MDA26_19) <u>VCMB Rodrigues</u> (INEGI, Portugal), MM Kasaei, EAS Marques, RJC Carbas, R Szymanski, M Olive, LFM da Silva	Design and development of a compact self-supporting ear canal retractor (MDA26_59) M Alicandri Ciufelli, L Nicolini, A Sorrentino, <u>D Castagnetti</u> (University of Modena and Reggio Emilia, Italy)
12:20	Robust service domain for highly ductile adhesive joints under extreme thermal environments and dynamic mixed-mode loading (MDA26_23) <u>B Hasumi</u> (INEGI, Portugal), A Akhavan-Safar, RJC Carbas, EAS Marques, S Wenig, LFM da Silva	Thermo-mechanical modelling of hybrid polymer gears (MDA26_73) <u>R Mouzinho</u> (University of Porto, Portugal), S Portron, C Fernandes
12:40	Deformation of soft adhesive layer in lap joints subjected to cyclic loading (MDA26_91) K Saiki, Y Sekiguchi, <u>C Sato</u> (Institute of Science Tokyo, Japan)	Comparative study of tribological properties of titanium based nanoparticles in water based lubrication (MDA26_93) <u>M Anand</u> (Bournemouth University, UK), A Saeed, Z Khan
13:00-14:00	LUNCH BREAK (Coffee Lounge)	
	Room B002	
14:00*	Advances in 3D printing soft materials for bio-inspired soft robots equipped with intelligence (MDA26_3) <u>G Stano</u> (Polytechnic of Bari, Italy)	
	Session 3A – Additive manufacturing I (Chair: G Stano, K Szustakiewicz)	Session 3B – Composites I (Chair: Q Lian, AM Ferreira)
	Room B002	Room B003
14:40	Comparative assessment of AI-Based tools for generating 3D models in tactile communication for visually impaired users (MDA26_7) ML Empinotti, L Santana, <u>JL Alves</u> (University of Porto, Portugal)	Epoxy-based polymeric phase change materials: From structural design to multifunctional applications for thermal energy storage (MDA26_37) <u>Q Lian</u> (North University of China, China), Y Li, Y Fan, J Zhang, J Cheng

15:00	Design of a shredder for thermoplastic waste manufactured by additive manufacturing (MDA26_8) <u>L Funico</u> (University of Porto, Portugal), X de Carvalho, JL Alves	Strengthening concrete structures with natural fibre fabrics treated with NaOH and Ca(OH) ₂ (MDA26_6) <u>I Ivanova</u> (Université de Reims, France), J Assih, C Diagana, BS Vasseur
15:20	Chemical development and characterization of PLA copolymers for biodegradable composites reinforced with natural fibres for additive manufacturing (MDA26_29) <u>TF Kadiri</u> (Frederick University, Cyprus), M Rikkou-Kalourkoti, A Kountouris, G Demosthenous, L Papadakis	Mitigating delamination in CFRP bonded joints: A comparative study of high-performance thermoplastic and thermoset adhesives (MDA26_18) <u>RJC Carbas</u> (University of Porto, Portugal), F Ribeiro, EAS Marques, LFM da Silva
15:40	Mechanical and aerodynamic performance of additively manufactured aerofoil based on dragonfly wing configuration (MDA26_90) <u>JM Altaaf</u> , <u>R Ramful</u> (University of Mauritius, Mauritius)	Bio-inspired composite substrates for enhanced mechanical performance of adhesive joint (MDA26_11) <u>H Malekinejad</u> (INEGI, Portugal), RCJ Carbas, EAS Marques, LFM da Silva
16:00-16:20	COFFEE BREAK (Coffee Lounge)	
	Session 4A – Joining by plastic deformation I (Chair: MM Kasaei, RJC Carbas)	Session 4B – Cellular materials (Chair: MF Vaz, JL Alves)
	Room B002	Room B003
16:20	Joining of beech wood and sheet metal using self-piercing rivets: joint formation, mechanical performance and surrogate modelling (MDA26_89) <u>B Gröger</u> (TUD Dresden University of Technology, Germany), M Schlichter, N Horn, J Gerritzen, G Meschut, M Gude	Evolution of the mechanical properties after biodegradation of iron lattice structures for biodegradable implants (MDA26_46) P Nogueira, J Magrinho, C Santos, R Cláudio, M Carmezim, P Lopes, JL Alves, L Reis, SC Oliveira, AM de Deus, MB Silva, <u>MF Vaz</u> (University of Lisbon, Portugal)
16:40	Investigation into the influence of retrogression and re-aging treatment on the material behaviour of AA7075-T6 to extend its joinability using semi-tubular self-piercing riveting (MDA26_31) <u>A Safi</u> (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany), M Merklein	Auxetic behavior in 2D tessellations derived from combined dart and eagle geometries (MDA26_68) <u>R Moghimimonfared</u> (University of Modena and Reggio Emilia, Italy), M Corradini, L Mizzi
17:00	Comparative study of multi-range capable rivet and standard self-piercing rivets in pure aluminium and ultra-high-strength steel-aluminium assemblies (MDA26_38) <u>PK Kaimann</u> (Paderborn University, Germany), J Sarris, M Bobbert, M Lechner, G Meschut	A novel approach to strengthening BCC lattice using arch geometry: Experimental and numerical study (MDA26_69) <u>S Harzallah</u> (Université de Monastir, Tunisie), F Elwasli, S Mzali, S Mezlini

17:20	Influence of plastic pre-deformation on the failure behavior of self-piercing riveted joints under multiaxial loading (MDA26_48) <u>MC Schlichter</u> (Paderborn University, Germany), <u>JP Ludwig</u> , <u>M Bobbert</u> , <u>G Meschut</u>	Quasi-static compression of 3D-printed PLA–PETG interpenetrating TPMS structures (MDA26_79) <u>I Sfar</u> (Université de Monastir, Tunisie), <u>M BelhadjAmor</u> , <u>S Mezlini</u>
17:40	Riv-bonding of fibre-reinforced polypropylene and aluminium for lightweight EV battery pack structures (MDA26_71) <u>FMRM Quelhas</u> , <u>MM Kasaei</u> (INEGI, Portugal), <u>RJC Carbas</u> , <u>VCMB Rodrigues</u> , <u>EAS Marques</u> , <u>J Hrachova</u> , <u>LFM da Silva</u>	Characterization of a lattice-reinforced co-moulded metal-composite joints (MDA26_92) <u>M Tropeano</u> , <u>M Gulino</u> , <u>L Raimondi</u> , <u>L Tomesani</u> , <u>A Pirondi</u> (University of Parma, Italy)
18:00	Fatigue performance of hole-hemmed Al–Cu joints for EV batteries (MDA26_70) <u>GFS Ferreira</u> , <u>MM Kasaei</u> (INEGI, Portugal), <u>A Akhavan-Safar</u> , <u>RJC Carbas</u> , <u>EAS Marques</u> , <u>LFM da Silva</u>	Computational analysis of compressive behaviour of gyroid and voronoi cellular structures in pure iron for biodegradable bone implant applications (MDA26_94) <u>P Lopes</u> (INEGI, Portugal), <u>L Rego</u> , <u>P Nogueira</u> , <u>J Magrinho</u> , <u>B Rodrigues</u> , <u>C Santos</u> , <u>R Claudio</u> , <u>M Carnezim</u> , <u>L Reis</u> , <u>SC Oliveira</u> , <u>A Moita de Deus</u> , <u>MB Silva</u> , <u>MF Vaz</u> , <u>JL Alves</u>
18:30	Poster session and RECEPTION (Coffee Lounge)	
Metals		
Poster 1	Tuning thermal stability of retained austenite in high-strength thermomechanically processed QP medium-Mn steels alloyed with Mo and Cu (MDA26_25)	<u>A Kozłowska</u> (Silesian University of Technology, Poland), <u>A Skowronek</u> , <u>FT Kassaye</u> , <u>O Gulbay</u> , <u>A Gramlich</u> , <u>U Krupp</u> , <u>A Grajcar</u>
Poster 2	Effect of processing route on microstructure and mechanical properties of metastable β -Ti Gum Metal (MDA26_78)	<u>V Mazáčová</u> (FZU – Institute of Physics of the Czech Academy of Sciences, Czech Republic), <u>V Mára</u> , <u>J Režnar</u> , <u>J Drápała</u> , <u>J Sobotová</u> , <u>P Lejček</u>
Ceramics		
Poster 3	Application of nanocrystalline composite material to improve technological and functional properties of cutting blades (MDA26_55)	<u>MJ Kupczyk</u> (Poznan University of Technology, Poland)
Poster 4	Sintered high-speed steels – manufacturing methods and their influence on the properties of the sintered material (MDA26_56)	<u>MJ Kupczyk</u> (Poznan University of Technology, Poland)
Poster 5	Plasma-modified N-doped graphene for self-sensing cementitious composites with refinery waste (MDA26_76)	<u>A Michałek</u> (Wroclaw University of Science and Technology, Poland), <u>A Dzimitrowicz</u> , <u>E Koenders</u> , <u>Ł Sadowski</u>
Composites		
Poster 6	Effect of novel high-elastic modifiers on the rheological properties and storage stability of asphalt binders (MDA26_12)	<u>SK Shah</u> (Southeast University Nanjing, China), <u>G Ying</u>

Poster 7	Collocation with radial basis functions in a pseudospectral framework for the analysis of laminated plates based on the Reissner Mixed Variational Theorem (MDA26_58)	SCF Fernandes, J Cuartero, AJM Ferreira (University of Porto, Portugal)
Poster 8	Material extrusion of PLA–wood flour composites: from filament production to 3D printing (MDA26_63)	B Kryszak (Wrocław University of Science and Technology, Poland), J Wechterowicz, P Gruber, K Szustakiewicz
Cellular materials		
Poster 9	Influence of unit cell repetition on dimensional accuracy of re-entrant auxetic structures produced by FFF (MDA26_64)	J Crespo-Sánchez, C Solek, S Fuentes del Toro, B de Agustina, AM Camacho, A Rodríguez-Prieto (Universidad Nacional de Educación a Distancia (UNED), Spain)
Poster 10	Process simulation to minimize thermal stress in FFF - manufactured re-entrant PEEK auxetic structures (MDA26_65)	J Crespo-Sánchez, E Rodríguez-Alonso, C Solek, M Marín, EM Rubio, AM Camacho, A Rodríguez-Prieto (Universidad Nacional de Educación a Distancia (UNED), Spain)
Poster 11	Numerical simulation and advanced thermo-mechanical characterization of additively manufactured PEEK 3D-Auxetic Structures (MDA26_66)	C Solek (Universidad Nacional de Educación a Distancia (UNED), Spain), J Crespo-Sánchez, S Fuentes del Toro, J Ayllón, AM Camacho, J Rodríguez-Hernández, A Rodríguez-Prieto
Metamaterials		
Poster 12	Enhancing crashworthiness in origami metastructures through graded stiffness architectures (MDA26_28)	J Aranda-Ruiz (University Carlos III of Madrid, Spain), S Fuentes del Toro
Biomaterials		
Poster 13	Development and mechanical characterization of a high-content bio-based adhesive for sustainable cork agglomerates (MDA26_85)	RJC Carbas (University of Porto, Portugal), Sh Jalali, EAS Marques, LFM da Silva
Additive manufacturing		
Poster 14	3D printed food designed gelatine-based elements (MDA26_67)	L Afreixo, A Pais (University of Porto, Portugal), F Providência, B Rangel, JL Alves
Poster 15	Tailoring of adhesive joint performance via additively manufactured functionally graded metallic substrates (MDA26_83)	EAS Marques (University of Porto, Portugal), RJC Carbas, LFM da Silva
Interfaces		
Poster 16	Comparative mode I fracture analysis of Polyimide-SiSiN, Polyimide-SiN, and Polyimide-SiO ₂ bi-layers in semiconductor wafers (MDA26_40)	P Maleki (INEGI, Portugal), A Akhavan-Safar, RJC Carbas, EAS Marques, LFM da Silva
Adhesive bonding		
Poster 17	From molecular architecture to macroscopic failure in pressure-sensitive adhesives through multi-scale characterization (MDA26_14)	BD Simões (INEGI, Portugal), EAS Marques, RJC Carbas, S Maul, P Stihler, P Weißgraeber, LFM da Silva

Poster 18	Characterization and debonding of adhesive tapes for prismatic cell-to-cell bonding (MDA26_20)	<u>VCMB Rodrigues</u> (INEGI, Portugal), EAS Marques, RJC Carbas, LFM da Silva
Poster 19	Experimental and cohesive zone modelling of highly ductile adhesive joints under extreme thermal and dynamic conditions (MDA26_22)	<u>B Hasumi</u> (INEGI, Portugal), A Akhavan-Safar, RJC Carbas, EAS Marques, S Wenig, LFM da Silva
Poster 20	Evaluation of a heat-triggered adhesive as a reversible solution for horseshoeing (MDA26_28)	<u>CMC Ferreira</u> (INEGI, Portugal), BD Simões, EAS Marques, RJC Carbas, LFM da Silva
Poster 21	Fatigue behavior of adhesive joints: Material, design, and application perspectives (MDA26_15)	<u>A Akhavan-Safar</u> (INEGI, Portugal), RJC Carbas, EAS Marques, LFM da Silva
Joining by plastic deformation		
Poster 22	Mapping manufacturing parameters to interlock quality in self-piercing riveting for multi-material joints (MDA26_17)	TMS Mota, <u>RJC Carbas</u> (University of Porto, Portugal), MM Kasaei, EAS Marques, LFM da Silva

Friday 3 July 2026		
	Room B002	
8:40*	Thermal and mechanical metamaterials: Designing matter beyond nature (MDA26_1) <u>Qingxiang Ji</u> (FEMTO-ST, France)	
	Session 5A – Metamaterials II (Chair: T-C Lim, Q Ji)	Session 5B – Joining by plastic deformation II (Chair: MM Kasaei, RJC Carbas)
	Room B002	Room B003
9:20	Meta-structures of conductive biopolymer blends: Towards multifunctional and sustainable nanocomposites (MDA26_47) <u>R Farhat</u> (Mines Paris PSL, France), SAE Boyer, A Burr, M Batistella, JM Lopez-Cuesta	Numerical approach for axial feeding control in hydroforming of high-strength aluminum tubes (MDA26_52) <u>B Rauh</u> (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany), M Merklein
9:40	Anisotropic zero Poisson's ratio star-shaped honeycombs (MDA26_51) <u>L Mizzi</u> (University of Modena and Reggio Emilia, Italy), A Perière, M Cavaliere	Integrating ductile damage modeling into FE-based process chain simulation of self-pierce riveting for advanced high-strength steels and aluminum (MDA26_61) <u>J-P Ludwig</u> (Paderborn University, Germany), M Schlichter, E Tolke, M Bobbert, G Meschut
10:00	Design of Kirigami auxetic metamaterial sheets based on Euclidean tilings (MDA26_53) <u>S Avanzini</u> (University of Modena and Reggio Emilia, Italy), L Mizzi	Damage-coupled finite element modeling of the self-piercing riveting process using a Hosford-Coulomb fracture criterion for rivet failure (MDA26_62) <u>Ö Harabati</u> (Paderborn University, Germany), J-P Ludwig, M Schlichter, E Tolke, C Künkeler, M Bobbert, G Meschut
10:20	Rational circle-based cubic Bezier Metamaterials: Synthesis, mechanics and additive (MDA26_57) R Mangenot, A Alvarez-Trejo, E Cuan-Urquizo, DL Ramírez-Gutiérrez, <u>A Roman-Flores</u> (Tecnologico De Monterrey, Mexico)	High-velocity forming of riveted joints: A combined FE and experimental analysis (MDA26_21) R Mishra, <u>A Rajak</u> (Indian Institute of Technology Indore, India)
10:40-11:00	COFFEE BREAK (Coffee Lounge)	
	Session 6A – Surfaces and Coatings (Chair: A Akhavan-Safar, A Rodríguez-Prieto)	Session 6B – Additive manufacturing II (Chair: E Cuan-Urquizo, A Roman-Flores)
	Room B002	Room B003
11:00	Panning for black gold – Refining and scaling up NMC recovery from Li-ion battery cathodes (MDA26_5) <u>C Powell</u> (University of Leicester, UK), M Wilde, A Abbott	Design of 3D printed porous structures through deep learning techniques (MDA26_72) <u>AI Pais</u> (University of Porto, Portugal), JL Alves, J Belinha

11:20	Performance of MoS ₂ -alloyed-TiAlSiN-coated cutting tools in dry turning of Ti-6Al-4V alloy (MDA26_9) <u>JM Wambua</u> (Northumbria University, UK), FM Mwema, G Zoppi, WL Woo, ET Akinlabi	Mechanical characterization of additively manufactured functionally graded structures under twist (MDA26_74) L Mairle, <u>DL Ramírez-Guérrez</u> (Tecnologico De Monterrey, Mexico), E Cuan-Urquizo, A Roman-Flores
11:40	a-C:H:Si coatings for reducing powder wall friction: types of powders that benefit? (MDA26_24) <u>C Lanzerstorfer</u> (University of Applied Sciences Upper Austria, Austria), C Forsich, D Heim	Technical and economic feasibility of 3D-printed molds for manual polyurethane injection in low- to medium-volume production (MDA26_77) DG Rul, JG Mercado-Rojas, JD Calderon, JG Díaz, <u>A Roman-Flores</u> (Tecnologico De Monterrey, Mexico)
12:00	Influence of nanosecond laser parameters on the fabrication of circular micro-dimples on tungsten carbide cutting tools (MDA26_33) <u>A Moreno</u> (Universidad de Málaga, Spain), S Martín-Béjar, F Bañón, L Sevilla, FJ Trujillo	Mechanical characterization and FEA simulation of SLA-printed 50A materials using hyperelastic models (MDA26_30) <u>S Fuentes del Toro</u> (Universidad Carlos II de Madrid, Spain), C Solek, J Crespo-Sánchez, A Rodríguez-Prieto, AM Camacho, J Aranda-Ruiz
12:20	Tribology and testing of triboelectric nanogenerators (MDA26_34) <u>DM Mulvihill</u> (University of Glasgow, UK), J Perris, R Mukherjee, N Gadegaard, G Min, Y Xu, C Kumar	Thermal-history-informed process-microstructure-property correlation framework for fatigue heterogeneity in robotic CMT-WADED of Al-Cu alloy (MDA26_88) <u>D Kumar</u> (Indian Institute of Technology Delhi, India), S Jha
13:00-14:00	LUNCH BREAK (Coffee Lounge)	
	Room B002	
14:00*	Obtaining scaffolds with tailored morphology (MDA26_4) <u>K Szustakiewicz</u> (Wrocław University of Science and Technology, Poland)	
	Session 7A – Biomaterials (Chair: S De Barros, Z Wang)	Session 7B – Composites II (Chair: A Catapano, C Sato)
	Room B002	Room B003
14:40	Statistical characterisation of mechanical properties in pericardial tissue from uniaxial tensile testing (MDA26_49) <u>I Lopez-García</u> (Universidade de Vigo, Spain), JA López-Campos, A Segade	Higher-order equivalent layer-wise multiphysics analysis of anisotropic doubly-curved shells with holes and discontinuities (MDA26_43) F Tornabene, <u>M Viscoti</u> (University of Salento, Italy), R Dimitri
15:00	Flax/bio-epoxy sandwich composites for industrial tooling: Mechanical characterisation, hygrothermal ageing and scale-1 drilling template use case (MDA26_80) <u>L Becker</u> (CESI LINEACT, France), AN Chabane, R Grangeat, S De Barros	Determination of the mechanical properties of 2D woven plies in ultra-high temperature ceramic composites (MDA26_45) <u>T Rumen</u> (CEA CESTA, France), A Este, M Montemurro, A Cosculluela, M Bouchez, A Catapano

15:20	A highly controllable and large-stroke split high-speed tensile testing machine for soft materials at intermediate strain rates (MDA26_86) C Duan, Y Yu, Y Zhao, J Niu, Z Wang (Xi'an Jiaotong University, China)	Failure analysis of interconnections in microelectronic packages and semiconductors (MDA26_39) P Maleki (INEGI, Portugal), A Akhavan-Safar, RJC Carbas, EAS Marques, LFM da Silva
16:00-16:20	COFFEE BREAK (Coffee Lounge)	
	Session 8A – Interfaces (Chair: F Moroni, ÇK Kurukavak)	Session 8B – Composites III (Chair: AJ Brunner, M Yazici)
	Room B002	Room B003
16:20	3D lattice structures at the interface of hybrid metal–SMC composite joints: Effect on joint strength (MDA26_60) F Moroni (Università di Parma, Italy), C Gotti, U Tarasconi, L Raimondi, M Castro, A Zucchelli	Determination and modeling of compressive strength in gyroid sheet networks (MDA26_41) H Kammler (German Aerospace Center (DLR), Germany), J Kube, H Traub, C H'uhne
16:40	Thermoplastic adhesive film for horseshoe bonding: hoof substrate characterization and thermal safety assessment (MDA26_27) CMC Ferreira (INEGI, Portugal), BD Simões, EAS Marques, RJC Carbas, LFM da Silva	Bio-inspired helicoidal composites with graded ply architecture under transverse tensile loading (MDA26_10) H Malekinejad (INEGI, Portugal), RCJ Carbas, EAS Marques, LFM da Silva
17:00	Interface engineering for thin film electronics (MDA26_75) ÇK Kurukavak (Konya Technical University, Turkey)	Toughness in nano-modified polymers and potential particle shape effects (MDA26_81) AJ Brunner (Retired scientist, Switzerland)
17:20	Design-relevant fracture and fatigue analysis of thin film interfaces in microelectronics (MDA26_16) A Akhavan-Safar (INEGI, Portugal), P Maleki, RJC Carbas, EAS Marques, B Karunamurthy, LFM da Silva	Analysis of vibration characteristics and damping performance of metal–rubber components under different injection molding flow-induced structural features (MDA26_82) M Yazici (Bursa Uludag University, Turkey), G Kurt, A Polat, S Koçak, B Deliktaş
20:00	MDA 2026 BANQUET (Porto Caves Calém)	