



ECCM20 – DETAILED CONFERENCE PROGRAM

20/05/2022









Time

Rooms

08:00	Registration desk open
08:15	Campus A
08:30	Plenary Lecture 3
08:45	Jan Maegen - B&L Solvay Materials Composites: a sustainability challenge or a solution?
09:00	
09:15	

Wednesday, 29/06/2022

09:30	09:45	10:00	10:15	10:30	10:45	11:00	11:15
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Thursday, 30/06/2022

11:30	11:45	12:00	12:15	12:30	12:45	13:00	13:15	13:30
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lunch break

13:45





Time

Rooms

Registration desk open		Thursday 30/06/2022									
Campus A		Cloud C	Garden 1	Garden 2	Garden 3	Garden 4	Garden 5	Garden 6	Garden 7	Garden 8	Garden 9
08:00	Registration desk open										
08:15	Campus A										
08:30	CB13-	G1.13-Bio composites (Y. Leterrier)	G2.13-Application/other domains (J. Lamon)	G3.13-Composites for energy storage (L. Asp. G. Fred)	G4.13-Property characterization (Jan Kinloch)	G5.13-Hybrid metamaterials (G. Ciel)	G6.13-Manufacturing (M. Akermec)	G7.13-Process monitoring (J. Teuwen)	G8.13-Polymers and Polymer composites (N. Boyard)	G9.13-Manufacturing (S. Andau)	
08:45		62550(GUILLEMAUT Laurent), Manal Racha, Felebbas Svetlana, Diuritti Davy; (Title)Behaviour and repair of flax/Elium biocomposites loaded in low velocity impact	62535(Tsika Kyriaki), Hurgun Artaç, Kouli Maria Elisavet, Llorente Anaya, Rafae Aggelos, Rekolos Alatz, Fotinidis Georgios, Kasari Maria, Anagnostou Konstantinos, Papets Alkivadis; (Title)Repairability of carbon fiber reinforced 3R and modified 3R epoxy laminates	61906(Shirshova Natasha), Roguame Thomas, Najmi Hussain, Polson Marc, Guan Wendong; (Title)Development of methodology for CFRP repairability parameter identification for metallic 3D material model	62447(Pupure Liva), Varna Janis, Galits Rihards, Pakratsins Leonids, Al Magdadi Zahab; (Title)Hybrid components: Enhancing bonding between 3D-printed substrates and CFRP through surface design	62366(Abdol Hamed), Chan Simon , Allen Tom, Battley Mark , Diegel Olaf , Bickerton Simon ; (Title)3D flow and fibre Orientation Modelling of Compression Moulding of A-SMC. Simulation and Validation in Squeeze Flow	62319(Arnerson Gustaf), Ljung Anna-Lena, Alonkari Yvonne, Lundström T. Staffan; (Title)3D flow and fibre Orientation Modelling of Compression Moulding of A-SMC. Simulation and Validation in Squeeze Flow	62570(Almeida Humberto), Falzon Brian , Nelms Katherine, Withers Philip; (Title)Defect characterization of continuous fibres/glass composites 3D printed with several processing parameters	62485(Tomkova Blanka); (Title)USE OF CARBON PARTICLES IN FIBER/EPOXY UD LAMINATES	62575(Campagna Alberto), Giovanni Bellaguardi, Ying Kam Liu; (Title)Experimentally trained physics informed neural network as material model	
09:00		62393(FERRIN WENYI, SENOUSSEDI Nour-El-F. VAUDEMONT Régis, KOUTSAWA Yac; (Title)Experimental investigation and modelling of the morphology and induced thermal properties evolution by consolidation of flax fibres hybrid reinforced thermoplastic composite	62462(Liu Changyuan), Xin Wang, Wu Zhenhe; (Title)Experimental study on the flexural behavior of RC beams strengthened with composite prestressed FRP laminates	61906(Shirshova Natasha), Roguame Thomas, Najmi Hussain, Polson Marc, Guan Wendong; (Title)Development of methodology for CFRP repairability parameter identification for metallic 3D material model	62420(Li Kai-Young), Trompeter Bill, Amisoup Nadeeh, Allen Tom, Bickerton Simon, Kelly Piaras; (Title)Characterization of a soft magnetic composite for use in road-embedded wireless-charging systems	62253(Mostofizadeh Parham), Dorey Robert A, Mahaghaghan Iman; (Title)Variable Stiffness Lattice Structures	62342(Qian Connie), Yuan Hao, Khan Muhammad, Kendall Kenneth; (Title)Squeeze Flow of Carbon Fiber Sheet Moulding Compound in Compression Moulding	62483(Akay Erdem), Köhler Filip, Fernandez Villegas Irene; (Title)In-Situ Monitoring of Weld Line Thickness in Continuous Ultrasonic Welding of Thermoplastic Composites	62400(Thomen Ole), Dulleu-Barton Janice, Hallett Stephen, Butler Richard; (Title)Validation of Composite Aerostructures through Integrated Multi-Scale Modelling and High-Fidelity Substructure Testing Facilitated by Design of Experiments and Bayesian learning	62489(König Richard), Spitzer Sebastian, Böhm Heiger, Bätzel Tim, Rao Ruya Nitin , Gude Malik; (Title)In situ impact testing of tailored fiber placed composite structural vanes for novel CFRP-TI intermediate cases of future jet engines	
09:15		62338(PGUPATI Anurag , LAURENT Thomas, EBOY Mathilde; (Title)FRP and self-reinforced PLA non-woven preforms for high performance and lightweight bioinspired composite materials	62385(Scius Bertrand Marine), Videau Laurent, Escail Roman, Bergira Tomas, Olive Maxime, Berthe Laurent; (Title)Real delamination in laminate carbon fiber reinforced polymer produced by laser shock for aeronautics structural control	61839(Xu Johanna), Xia Zhenyuan, Sanchez James S., Johanan Marcus, Liu Fang, Asp Leif E.; (Title)Coating of LiFePO4/Graphene oxide on Carbon Fibres as Positive Electrodes for 3D Structural Batteries	62389(Budzik Michal K.), Heide-Jorgensen Simon; (Title)Geometry informed creep of 3D printed composite materials	62138(Spitzer Sebastian, Birke Michael), Luft Jan, Gottwald Robert, Gude Malik; (Title)Virtual-physical engineering of a graded CFRP/Titanium aircraft suspension strut	62069(Mahé François), Binetruy Christophe, Advani Suresh, Fécot Julien; (Title)A multi-scale mechanical model for high fiber content SMC in compression molding	62384(Gkaravela Alkaterini), Vareli Ioanna, Barikou Nektaria Marianiou, Papets Alkivadis; (Title)MONITORING THE PROPERTIES OF CEMENT-BASED COMPOSITE MATERIALS WITH INFRARED SPECTROSCOPY	62347(Vallack Nicola), Sampson William W., Poturi Prasad; (Title)Sensitivity of interlaminar fracture toughness to choice of nonwoven interface materials	62230(Mihalic Matthias), Pretsch Claudia, Lummerstorfer Thomas, Kiem Wolfgang; (Title)Physical and Chemical Foam Injection Moulding of Natural Fiber Reinforced Polypropylene Compounds with Controlled Mould Opening	
09:30		62139(Ongaro Federica), Pugno Nicola; (Title)Mechanical modelling of viscoelastic hierarchical suture joints and their optimization and aucticity	62381(Kaur Amangreet), Lim Jun Woo; (Title)The high-performance bipolar plate for the vanadium redox flow battery using soft layer method	61725(Javanshour Farzin, Hopia Karolina, Jaurakainen Pekka, Kanta Layek Rama, Sarin Boal; (Title)Improved CFRP hydrogen tank performance with graphene oxide modifications	62318(Festiva Sara), Schneider Johannes, Kumar Shanmugam, Böhm Robert; (Title)3D printed polymer nanocomposites engineered with graphene and metallic nanoparticles for optical detection of water pollutants	62118(Mari Alexander), Scheibel Patrick, Herrmann Axel S.; (Title)Manufacturing and properties of hybrid composites of continuous basal and glass fibers made by tailored fiber placement	61853(Ricardo Losada), Francisco Amadeo, Alberto Pedreira, Xabier Perez, Adrian Rodriguez, Celia Martin, Elena Rodriguez; (Title)FFF manufacturing of high performance thermoplastics. Crystallinity and mechanical properties linked to the processing parameters	62383(Kelch Milan), Simon Stefan, Groß Andreas; (Title)Accelerate growth of the composite industry by standardized quality management based on the successful model of welding and adhesive bonding technology – DIN SPEC COMPOSITES	62279(Thom Thomas D.S.), Liu Yi, Blatti Imiliano, Peijs Ton, Zhang Han; (Title)Easy-repairing of high performance fibre reinforced composites with multiple healing cycles and integrated damage sensing	62213(Pretsch Claudia), Mihalic Matthias, Lummerstorfer Thomas, Spomer Christian, Gruenstorfer Georg; (Title)Foam injection Moulding of Cellulose Fiber Reinforced PP – Influence of Processing Parameters	
09:45		62132(Reichenbacher Rudi), Etschner Cindy, Eichhorn Julia , Groß Martin , Stommel Markus , Scheffler Christina ; (Title)Bioinspired glass fiber usings for composites in medical and technical applications	62327(Duan Mathew), Akhtar Fotis Diego, Boyer François, Caticaccio Andrea, Garguilo Corrado, Oliver Philippe; (Title)Pressure resistance characterization of micro-vascular networks embedded in carbon composites for high physics Applications	61711(Anthony David B., Greenhalgh Emie S, Kafafas Tomas, Kucemak Anthony P., Lind Peter, Nguyen Sang), Qi Guocheng, Razavi Seydalireza, Senokos Evgeny, Shaffer Milo S P, Yakova Maria; (Title)Structural Supercapacitor Composite Technology Demonstrator	62068(Vareli Ioanna), Gkaravela Alkaterini, Papets Alkivadis S., Barikou Nektaria-Marianthi; (Title)Thermoelectric (0)/2D cement composites for future large-scale thermal energy harvesting	61979(Farrokhbadi Amin), Ghorbani Fatemeh, Gharebaghi Husain, Bolouri Amir; (Title)Investigation of the energy absorption capacity of novel 3D-printed glass fiber reinforced thermoplastic bio-inspired structures	61222(Duhrovc Miro), Hoffmann Thomas, Schommer Dominic, Ernst Jürgen, Schladitz Katja, Moghsheli Ali, Gortner Florian, Hausmann Joachim, Mitschang Peter, Steiner Konrad; (Title)Digitizing the production of carbon fiber sheet molding compounds	61893(Voß Morten), Kaufmann Marvin, Vallée Flo; (Title)Experimental investigations on accelerated curing of adhesively bonded G-FRP tube connections	61909(Chappuis Selene,(Tournaillac François); (Title)Design and formulation of epoxy-anhydride vitrimers for application in composites.	61827(Weidmann Stefan), Mitschang Peter; (Title)In-line quality assurance and process control in fully automated welding processes	
10:00		62122(Moghimiardokani Ali), Ivens Jan, Willems van Vuure Aart; (Title)The effect of humidity on the mechanical properties of flax/Polyester biocomposites with different fibre architectures	62077(Moskalava Anastasiia), Gusev Sergey, Hernandez Montes Enrique, Safonov Alexander; (Title)Form finding, structural analysis and design of carbon reinforced polymer freeform structure	61652(Wanghofer Florian, Wolfahrt Markus), Wolfberger Armin, Schlogl Sandra; (Title)Development of novel matrix materials for type V hydrogen gas pressure vessels	62009(Langenhack Jakob), Bakkaï-Hasani Camille, Poutrel Quentin-Arthur, Georgopoulou Antonia, Clemens Frank, Tournaillac Nicolas, Norveg Sophie; (Title)Self-healing vitrimer composites for soft robotics	61822(Bauer Philipp), Mehl Konstantin, Motsch Eichenmann Nicole, Schmeier-Sebastian, Mueller Ingrid, Hausmann Joachim; (Title)A novel hybrid thermostat: thermoplastic robot-based production concept for lightweight structural parts: A special view on the hybrid interface	61676(Gackowski Bartosz Mikolaj), Sharma Mohit, Idapapati Siddhar; (Title)Additive manufacturing of composite structures with integrated internal heating and damage sensing	61892(Vallée Tili), Voß Morten, Kaufmann Marvin; (Title)Modelling of accelerated curing of adhesively bonded G-FRP tube connections	61774(Varna Janis), Nunes Stephanie, Pupurs Andrejs, Emami-Nazari, Saeed Kishan, Joffe Roberts; (Title)The effect of short carbon fibers on viscoelastic behavior of UHMWPE	61640(Fuchs Peter Filipp), Novak Philipp Michael, Lang Margit, Qi Tao , Zündel Julia, Gschwandl Mario, Antretter Thomas; (Title)In-line quality assurance and process control in FEA Modeling on the Warpage Prediction of PCBs	
10:15		61652(Wanghofer Florian, Wolfahrt Markus), Wolfberger Armin, Schlogl Sandra; (Title)Development of novel matrix materials for type V hydrogen gas pressure vessels	62041(Nakkala Paul), Javanshour Farzin, Jordan Juha, Laaksonen Paivi, Jutila Lauri, Jarvelainen Jan, Kanerva Mikko ; (Title)The performance of flax reinforced composites for wireless and sport applications: natural additives and sandwich concepts	61590(Fredri Giulia, Dorigato Andrea, Fambri Luca, Pignotti Alessandro); (Title)Evaluating the Multifunctional Performance of Structural Composites for Thermal Energy Storage	61886(Georgopoulou Antonia), Eckey Louisa Marie, Vanderborght Bram, Clemens Frank; (Title)Soft carbon-based multi-sensory resistive receptors	61729(Werner Henrik), Liebig Wilfried, Weidmann Kay Andre; (Title)Temple Properties of Deep Drawn In-Situ Polymerized Fiber-Metal Laminates	61527(Ali Wahaab), Tillmann Leon, Kopp Alexander , Gonzalez Carlos , Llorca Javier ; (Title)Manufacturing, mechanical and degradation behavior of Mg/PLA bioresorbable composite laminates for orthopedic applications				
10:30		61921(Hong Hyunsoo), Kim Seong Su; (Title)Composite spring capable of self-energy harvesting based on triboelectricity for exo-robots	61582(Jeong Jae-Moon), Jeong Kwang Il, Kim Seong Su; (Title)Cobalt metal-organic frameworks on electrode for the high performance of vanadium redox flow batteries	61643(Bergstrom Rhodol), Afshar Reza, Mousavi Mahmoud, Garmestdi E. Kristofer; (Title)Evaluating viscoelastic shear properties in clear wood via off-axis compression testing and digital image correlation							
10:45		Albert Cardon keynote - Venti Swoffs (KU Leuven)									
11:00		Micromechanics of fibre-reinforced composites: challenges in experimental validation of numerical models									
11:15		Closing ceremony									
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Thursday afternoon 14:00-16:00 Guided city tour with a sweet surprise

Friday All day (from 9:00 am-) Excursion in the Gruyere region with cheese and chocolate activity



Tuesday 27/06/2022

61996-BAD Hanguang, Margareta Philipp, Oliver Philipp; (Title) Comparison of Carbon Fiber reinforced polymers using a specific impedance method	61537-Piv Halander, Tommy Grankäll, Mikael Petersson, Malin Akermo; (Title) An engineering view of using research results to increase the design window and avoid manufacturing defects	62324-Sodagar Maryam, Hennig Anne, Clossenberg Frederik, Gries Thomas; (Title) Biomimetic Fibre as sustainable and renewable resource for reinforcement of poly(lactic acid)	62468-Immes Martin Clausen; (Title) Time Resolved In-situ CT Scanning of Non-Crimp Fabric Forming
61988-Hikmat Mostafa, Nisha Shanmi Sultana, Jahromi Fared Tamadoni, Badaghi Masoud, Alshabbi Mohammad; (Title) Lignin as a Green Additive for 3D Printing Applications.	62482-Mahmoud Humza, Sun Lu, Kim Byung-Pil, Youkine Mersawy; (Title) Use of Internet of Things (IoT) in digitizing in-process monitoring and control during composite manufacture.	61546-Leyval Guillem, Ouarda Connie, Aramburu Nora, Grighard Bruno, Bonnaud Sella, Sardon Hariz, Detrembleur Christophe, Jean-Marie Raquez; (Title) Non-isocyanate Polyurethanes based composites: a new route to sustainable fully bio-based structural composites.	62092-Choi Donghwi, Lee Kyongsun, Lee Sooyoung, Lee Cheolju; (Title) Finite Element Analysis of Thick Carbon Composite Laminates Subjected to Low-Velocity Impact Loads
62081-Liebig Wilfried, Muth Markus, Selitz Michael, Wittenmann Florian, Weiss Patrick; (Title) Effect reduction of structural health monitoring in additive manufactured structures by total electrical resistance measurements	61718-Novotná Jana, Tomková Blanka; (Title) Influence of the innovative process of production of epoxy composites filled with microcellulose on the mechanical properties of these composites	62246-Nakamura Mizuki, Noda Junji; (Title) Hybrid ratio effect on flexural properties for CFRP-natural fiber composite hybrid material	62063-Ham Seokwoon, Cheon Seung S.; (Title) The design of piezoelectric integrated composite bumper beam with machine learning algorithm
61564-Muennich Dominik, Sprenger Anna Mona, Kyosev Yordan; (Title) Design of additively manufactured composite elements with long and short fiber reinforcements for improved step protection	61736-Yang Hyun Joon, Kang Kyoung Mo, Kim Doyoung, Yu Woung-Ryeol; (Title) A new 3D weaving method for three-dimensional woven fabric preforms	62492-Segrete Vito, Andrea Laura, Molinari Giovanna, D'Ambrósio Roberto, Botta Luigi, Lazzeri Andrea; (Title) Mechanical, biological and thermal evaluation of Poly(Lactic Acid) (PLA) / Micro Fibrillated Cellulose (MFC) plasticized biocomposites produced with fat die extrusion and calendaring	61741-Pat Romana, Deshpande Vinit Vijay; (Title) Prediction of elastic properties of ceramic foam by creating artificial microstructures statistically equivalent to the real one
61807-Aleksievich Andrey, Zila Edmunds, Bulderberga Olga, Zelenaklene Daiva; (Title) Mechanical characterization of some polymers used in 3D printing	61758-Rouhi Mohammad, Liu Jialong, Tan B.C. Hsuan, Tay Hong Eam; (Title) Integrated simulation platforms to map effects of manufacturing on the structural performance of composites	61586-Loth Andreas, Förster Ralf; (Title) COMBOD - properties of a novel bamboo based honeycomb core material for composite sandwich structures	62491-Saloman Morris, Schiedewitz Ralf, Teuchtmann Michael; (Title) Using Near-Infrared Spectroscopy for quality inspection of prepregs before processing
61808-DIMOS EVANGELOS, D'ELLA RAFFAELLA, SAUCIERA MARTINA, SECOLUCCI ROMANIN, QUIROGA CORTES LUIS, SANCHES LEONARDO, MICHON GUICHEN; (Title) Supercritical CO <sub>2</sub> assisted foam extrusion for aeronautical sandwich structure manufacturing	62005-Sano Mami, Kobayashi Kodai, Tanaka Satoshi, Noda Junji; (Title) VARTM of natural fiber composite dome using inlay knit fabrics	62509-Brodowsky Hanna, Hennig Anne; (Title) Laccaase Enzyme Treatment of Flax Fibres for improved Interfacial Strength in Natural Fibre Composites	62373-Kalini Aleksey, Lukyanuk Andrey, Pankov Andrey, Andrews Stanislav; (Title) Microstructure Based Fatigue Failure Criterion for CFRP
62470-Alexander Matichinski, Shvano Kornelci, Paul Compton, Klaus Drechsler; (Title) Characterization of a Novel Manufacturing Method for 3D-Printing Nanodes Using X-ray Computed Tomography (CT)	61880-Eguchi Takeshi, Ito Mikitaka, Nishiyabu Kazuaki; (Title) Manufacturing and fastening system of carbon nanotubes in lightweight metal matrix composites	62499-Hühner Nur Syazana Natasha, Shaffer Milo, Li Qianqian; (Title) The Application of coated carbon nanotubes in lightweight metal matrix composites	61885-Sharma Anshika, Mahapatraya Tannoy, Kushwaha Vinod; (Title) Influence of Manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics
62379-Pedreira Estévez Alberto, Rodriguez Viquez Adrin, Rodriguez Alonso Pablo, Rodriguez Senin Elean, (Title) Robotic additive manufacturing of continuous carbon fiber thermoplastic composites	62382-Schuster Julian, Chatzigeorgiou Lazarus; (Title) Improving mechanical properties with AFP based fiber architecture	62212-Dewczarek Monika, Herrickska Larysa, Marcioka Iabellka; (Title) CHITOSAN NANOPARTICLES WITH GINGER OIL BLEND EXTRACT IN AN ALGinate CARRAGEENAN AS A SYSTEM FOR THE SLOW RELEASE OF THE ACTIVE SUBSTANCE	62205-Jia Zijiao, Pastor Marie-Laetitia, Garnier Christian, Huang Jia, Gong Xiaoyang; (Title) Rapid fatigue life prediction of CFRP laminates by combining the data of self-heating with stiffness degradation
62092-Song Dong Gi, Lee Jae Hye, Yoo Jung Jae, Son Seung Mo, Song Kyung Hyun; (Title) Functional material based approaches for reactive resin transfer molding of carbon fiber composites	62092-Song Dong Gi, Lee Jae Hye, Yoo Jung Jae, Son Seung Mo, Song Kyung Hyun; (Title) Functional material based approaches for reactive resin transfer molding of carbon fiber composites	61924-Geiger Thomas, Geiger Christine K., Hoffmann Karim G., Nythron Gustav; (Title) Printed Circuit Boards made from cellulose fibrils	61924-Geiger Thomas, Geiger Christine K., Hoffmann Karim G., Nythron Gustav; (Title) Printed Circuit Boards made from cellulose fibrils
62046-Kang Sung In, Yoo Jung Jae, Kim Min Gyoung, Song Dong Gi; (Title) Developing a new types of fiber reinforced composites manufacturing system: Multi-step filling process	62046-Kang Sung In, Yoo Jung Jae, Kim Min Gyoung, Song Dong Gi; (Title) Developing a new types of fiber reinforced composites manufacturing system: Multi-step filling process	62112-Botta Luigi, Lopresti Francesco, Ferrice Giulio, Savatino Giuliana, Gaglio Raimondo; (Title) Biodegradable polymer-based composites filled with biochar for tunable release of cannabis	62112-Botta Luigi, Lopresti Francesco, Ferrice Giulio, Savatino Giuliana, Gaglio Raimondo; (Title) Biodegradable polymer-based composites filled with biochar for tunable release of cannabis

P51-15:30 to 18:15

Wednesday 28/06/2022

61900-ALI FAHAD; (Title) Numerical and Experimental investigation of honeycomb Composite Composite Material and Its Aerospace Application	62467-Dujic Alekšija, Marković Biljana, Milić Dragica, Milić Miroslav, Klobučar Damjan; (Title) Three-sheet adhesive joining of CFRP and aluminum alloy AW 5754	62467-Dujic Alekšija, Marković Biljana, Milić Dragica, Milić Miroslav, Klobučar Damjan; (Title) Three-sheet adhesive joining of CFRP and aluminum alloy AW 5754	62467-Dujic Alekšija, Marković Biljana, Milić Dragica, Milić Miroslav, Klobučar Damjan; (Title) Three-sheet adhesive joining of CFRP and aluminum alloy AW 5754
62259-Luis Domenech, Jorge Muñoz, Asta Sakalyte, Alberto Giménez, Jordi Renau, Víctor García-Peña, Juan A. García, Fernando Sánchez Duvalde, Bertino Riccardi, Grungo Francesco; (Title) Fibrous toughening of wave shaped short plastic fibers in a cementitious mortar	62467-Dujic Alekšija, Marković Biljana, Milić Dragica, Milić Miroslav, Klobučar Damjan; (Title) Three-sheet adhesive joining of CFRP and aluminum alloy AW 5754	62467-Dujic Alekšija, Marković Biljana, Milić Dragica, Milić Miroslav, Klobučar Damjan; (Title) Three-sheet adhesive joining of CFRP and aluminum alloy AW 5754	62467-Dujic Alekšija, Marković Biljana, Milić Dragica, Milić Miroslav, Klobučar Damjan; (Title) Three-sheet adhesive joining of CFRP and aluminum alloy AW 5754
62038-Shaw Charles, Anthony David, Gargull Joseph, Hamerton Ian, Shaffer Milo; (Title) Designing Bicontinuous Silica-Epoxy Nanocomposites	62511-Tomes Oliver; (Title) Ultrafast and hyperelastic electrically conductive nanocomposites for strain sensing applications	61600-Zelenaklene Dalva, Monayzyckis Gedminas, Omasova Marija, Aniskevich Andriy; (Title) Melted nanoparticles to impart multifunctional properties to fibre reinforced plastic composites	61600-Zelenaklene Dalva, Monayzyckis Gedminas, Omasova Marija, Aniskevich Andriy; (Title) Melted nanoparticles to impart multifunctional properties to fibre reinforced plastic composites
61513-Daggumati Subbareddy, Raj Kumar J Kiran, Rajagopal Nirmal Dhanilal, Prasad Anup; (Title) Design allowable estimation of CFRP composite structures: An experimental and numerical approach	61655-Street George, Mistry Praveen, Johnson Michael; (Title) The effect of non-thermal curing on the shear behaviour of fibre reinforced thermoplastic composites	61833-Stadler Hannes; (Title) New solutions for the recycling of CFRP composites	61833-Stadler Hannes; (Title) New solutions for the recycling of CFRP composites
61725-Kajihara Sho, Higuchi Ryo, Yokozeki Tomohiro, Aoki Takahiro; (Title) Analytical investigation of propagating strain reduction in CFRP composite laminate subjected to impulsive loading	61845-Bianchi Florian, Korf Andreas, Kammier Markus, Schmees Sebastian; (Title) Influence of manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics	61845-Bianchi Florian, Korf Andreas, Kammier Markus, Schmees Sebastian; (Title) Influence of manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics	61845-Bianchi Florian, Korf Andreas, Kammier Markus, Schmees Sebastian; (Title) Influence of manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics
61743-Tomewa Petya, Sullivan David, Pereira Carlos; (Title) New Materials for EV Application	61845-Bianchi Florian, Korf Andreas, Kammier Markus, Schmees Sebastian; (Title) Influence of manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics	61845-Bianchi Florian, Korf Andreas, Kammier Markus, Schmees Sebastian; (Title) Influence of manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics	61845-Bianchi Florian, Korf Andreas, Kammier Markus, Schmees Sebastian; (Title) Influence of manufacturing procedure on mechanical properties of continuous fibre reinforced thermoplastics
61780-Volkovni Ruggiero, Clelito Fabris, Marcioka Alfonso, Gusto Giuseppe, Toscano Cinzia, Giordano Michele, Barletta Giovanni, Gallo Nicola; (Title) Innovative use of a high filled graphene film in an aeronautical composite panel	61544-Lee Shichoon, Son Younggon; (Title) Effect of aspect ratio and bulk density of carbon nanotube on the electrical conductivity of polycarbonate/multi-walled carbon nanotube nanocomposites	61544-Lee Shichoon, Son Younggon; (Title) Effect of aspect ratio and bulk density of carbon nanotube on the electrical conductivity of polycarbonate/multi-walled carbon nanotube nanocomposites	61544-Lee Shichoon, Son Younggon; (Title) Effect of aspect ratio and bulk density of carbon nanotube on the electrical conductivity of polycarbonate/multi-walled carbon nanotube nanocomposites
62496-Kostaras Christos, Pevkas Christos, Patarakis George, Koutroumantis Nikiforos, Tsakalis George, Dassios Constantinos, Galotis Costas; (Title) Robust and flexible resistive graphene and carbon nanotube heaters - Ultra-fast heating response and high temperature performance	61554-Leow Christopher, Kreider Peter, Semmalal Shwano, Compton Paul; (Title) Void reduction in graphene interlayer enhanced carbon fibre thermoplastic composites	61554-Leow Christopher, Kreider Peter, Semmalal Shwano, Compton Paul; (Title) Void reduction in graphene interlayer enhanced carbon fibre thermoplastic composites	61554-Leow Christopher, Kreider Peter, Semmalal Shwano, Compton Paul; (Title) Void reduction in graphene interlayer enhanced carbon fibre thermoplastic composites
62503-Maria Laura, Carral Luis, Gutiérrez Altana, Plett Martin, Renner Sappé; (Title) Novel manufacturing approaches for car body shell applications based on sandwich structures	61939-Almouss Hassan, De Luca Hugo, Anthony David B. Greenhalgh Emile S, Blomack Alexander, Shaffer Milo SP; (Title) Robust Continuous Production of Carbon Nanotube-grafted Structural Fibres: A Route to Hierarchical Fibre Reinforced Composites	61939-Almouss Hassan, De Luca Hugo, Anthony David B. Greenhalgh Emile S, Blomack Alexander, Shaffer Milo SP; (Title) Robust Continuous Production of Carbon Nanotube-grafted Structural Fibres: A Route to Hierarchical Fibre Reinforced Composites	61939-Almouss Hassan, De Luca Hugo, Anthony David B. Greenhalgh Emile S, Blomack Alexander, Shaffer Milo SP; (Title) Robust Continuous Production of Carbon Nanotube-grafted Structural Fibres: A Route to Hierarchical Fibre Reinforced Composites
62046-Kang Sung In, Yoo Jung Jae, Kim Min Gyoung, Song Dong Gi; (Title) Developing a new types of fiber reinforced composites manufacturing system: Multi-step filling process	62046-Kang Sung In, Yoo Jung Jae, Kim Min Gyoung, Song Dong Gi; (Title) Developing a new types of fiber reinforced composites manufacturing system: Multi-step filling process	62046-Kang Sung In, Yoo Jung Jae, Kim Min Gyoung, Song Dong Gi; (Title) Developing a new types of fiber reinforced composites manufacturing system: Multi-step filling process	62046-Kang Sung In, Yoo Jung Jae, Kim Min Gyoung, Song Dong Gi; (Title) Developing a new types of fiber reinforced composites manufacturing system: Multi-step filling process

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61826-LORUIC LORIC, MICHELLY LUDRERIC, GILLES FANTON, REGIS DE ANDA Agustin, VANHAI HENRI, RENAUD KENNETH, LATOUCHE MICHEL, ALLAIG FLORENCE, LANGLOIS VALERIE; (Title) Highly Fractal, Robust Graph, Triaxial Joint, Joint Seal, Graphitic Lucca, Lucca Zorari; (Title) A PARAMETRIC STUDY OF FRICTION WETTING	61511-Klobučar Damjan, Sržibar Halid, Pušavec Franci, Ribičur Dragica, Trškan Ljiljana, Garalić Lucija, Klobučar Zoran; (Title) A PARAMETRIC STUDY OF FRICTION WETTING	62306-Feng Wankang, He Pei, Kouterao Mathews Pavonic Marko; (Title) DIC-based monitoring on debonding crack propagation in wrapped composite joints	62306-Feng Wankang, He Pei, Kouterao Mathews Pavonic Marko; (Title) DIC-based monitoring on debonding crack propagation in wrapped composite joints
62695-Langston David, Greaves Peter, Thomas Ole, Macquart Terence; (Title) Torsional Testing of Wind Turbine Blades	62695-Langston David, Greaves Peter, Thomas Ole, Macquart Terence; (Title) Torsional Testing of Wind Turbine Blades	62695-Langston David, Greaves Peter, Thomas Ole, Macquart Terence; (Title) Torsional Testing of Wind Turbine Blades	62695-Langston David, Greaves Peter, Thomas Ole, Macquart Terence; (Title) Torsional Testing of Wind Turbine Blades
61888-Petera Kozlov, Vostanovska Vlasta Maria, Machrun Mikolajczyk Olga, Struzczyk-Sawa Katarzyna, Drodzyski Piotr, Dzikowski Przemyslaw, Hanna, Kozbecka-Glinka Grazyna; (Title) DEVELOPMENT OF A RECIPE FOR THE PRODUCTION OF CHITOSAN/GYPOCOPROPS BIOCOMPOSITES FOR PLANT PROTECTION	61888-Petera Kozlov, Vostanovska Vlasta Maria, Machrun Mikolajczyk Olga, Struzczyk-Sawa Katarzyna, Drodzyski Piotr, Dzikowski Przemyslaw, Hanna, Kozbecka-Glinka Grazyna; (Title) DEVELOPMENT OF A RECIPE FOR THE PRODUCTION OF CHITOSAN/GYPOCOPROPS BIOCOMPOSITES FOR PLANT PROTECTION	61888-Petera Kozlov, Vostanovska Vlasta Maria, Machrun Mikolajczyk Olga, Struzczyk-Sawa Katarzyna, Drodzyski Piotr, Dzikowski Przemyslaw, Hanna, Kozbecka-Glinka Grazyna; (Title) DEVELOPMENT OF A RECIPE FOR THE PRODUCTION OF CHITOSAN/GYPOCOPROPS BIOCOMPOSITES FOR PLANT PROTECTION	61888-Petera Kozlov, Vostanovska Vlasta Maria, Machrun Mikolajczyk Olga, Struzczyk-Sawa Katarzyna, Drodzyski Piotr, Dzikowski Przemyslaw, Hanna, Kozbecka-Glinka Grazyna; (Title) DEVELOPMENT OF A RECIPE FOR THE PRODUCTION OF CHITOSAN/GYPOCOPROPS BIOCOMPOSITES FOR PLANT PROTECTION
62078-Kerche Edoardo, Czobka Sylwia, Demetrio da Silva Venício, Nichelle Brandalise Rosmary, Zingalesi Andrea, Stephan Schreckler Henning, Campos Amaro Paulo; (Title) Ionic Liquid Modified aramid pulp and biochar as potential fiber replacement for EPDM rubber composites	62078-Kerche Edoardo, Czobka Sylwia, Demetrio da Silva Venício, Nichelle Brandalise Rosmary, Zingalesi Andrea, Stephan Schreckler Henning, Campos Amaro Paulo; (Title) Ionic Liquid Modified aramid pulp and biochar as potential fiber replacement for EPDM rubber composites	62078-Kerche Edoardo, Czobka Sylwia, Demetrio da Silva Venício, Nichelle Brandalise Rosmary, Zingalesi Andrea, Stephan Schreckler Henning, Campos Amaro Paulo; (Title) Ionic Liquid Modified aramid pulp and biochar as potential fiber replacement for EPDM rubber composites	62078-Kerche Edoardo, Czobka Sylwia, Demetrio da Silva Venício, Nichelle Brandalise Rosmary, Zingalesi Andrea, Stephan Schreckler Henning, Campos Amaro Paulo; (Title) Ionic Liquid Modified aramid pulp and biochar as potential fiber replacement for EPDM rubber composites
61850-Kang Da Jeong, Jeong Jae-Moon, Jeong Hwang Il, Kim Seong Su; (Title) Sandwich type shape memory polymer composite actuators to increase the recovery moment and deformability	61850-Kang Da Jeong, Jeong Jae-Moon, Jeong Hwang Il, Kim Seong Su; (Title) Sandwich type shape memory polymer composite actuators to increase the recovery moment and deformability	61850-Kang Da Jeong, Jeong Jae-Moon, Jeong Hwang Il, Kim Seong Su; (Title) Sandwich type shape memory polymer composite actuators to increase the recovery moment and deformability	61850-Kang Da Jeong, Jeong Jae-Moon, Jeong Hwang Il, Kim Seong Su; (Title) Sandwich type shape memory polymer composite actuators to increase the recovery moment and deformability
62165-Kim Geom Hwan, An Taechang; (Title) Fabrication of a high-performance flexible electrode with better conductive layer-to-polymer substrate adhesion	62165-Kim Geom Hwan, An Taechang; (Title) Fabrication of a high-performance flexible electrode with better conductive layer-to-polymer substrate adhesion	62165-Kim Geom Hwan, An Taechang; (Title) Fabrication of a high-performance flexible electrode with better conductive layer-to-polymer substrate adhesion	62165-Kim Geom Hwan, An Taechang; (Title) Fabrication of a high-performance flexible electrode with better conductive layer-to-polymer substrate adhesion
61748-He Sulhua, Ward Carwyn, Hamerton Ian; (Title) KINETIC STUDIES AND ITS INFLUENCE ON PHASE TRANSITION BEHAVIOUR OF MULTICOMPONENT AMINE-CURED EPOXY BLEND	61748-He Sulhua, Ward Carwyn, Hamerton Ian; (Title) KINETIC STUDIES AND ITS INFLUENCE ON PHASE TRANSITION BEHAVIOUR OF MULTICOMPONENT AMINE-CURED EPOXY BLEND	61748-He Sulhua, Ward Carwyn, Hamerton Ian; (Title) KINETIC STUDIES AND ITS INFLUENCE ON PHASE TRANSITION BEHAVIOUR OF MULTICOMPONENT AMINE-CURED EPOXY BLEND	61748-He Sulhua, Ward Carwyn, Hamerton Ian; (Title) KINETIC STUDIES AND ITS INFLUENCE ON PHASE TRANSITION BEHAVIOUR OF MULTICOMPONENT AMINE-CURED EPOXY BLEND
62558-Gaálková Gerda; (Title) Sustainable poly(benzoxazine)succinic biodegradable resins for 3D printing applications	62558-Gaálková Gerda; (Title) Sustainable poly(benzoxazine)succinic biodegradable resins for 3D printing applications	62558-Gaálková Gerda; (Title) Sustainable poly(benzoxazine)succinic biodegradable resins for 3D printing applications	62558-Gaálková Gerda; (Title) Sustainable poly(benzoxazine)succinic biodegradable resins for 3D printing applications
62228-Bolouri Amir, Farokhabadi Amin, Ghobadi Farshad, Ghahrebaghi Hossein; (Title) Investigation of energy absorption capacity of novel 3D-printed glass fibre reinforced thermoplastic bio-inspired structures	62228-Bolouri Amir, Farokhabadi Amin, Ghobadi Farshad, Ghahrebaghi Hossein; (Title) Investigation of energy absorption capacity of novel 3D-printed glass fibre reinforced thermoplastic bio-inspired structures	62228-Bolouri Amir, Farokhabadi Amin, Ghobadi Farshad, Ghahrebaghi Hossein; (Title) Investigation of energy absorption capacity of novel 3D-printed glass fibre reinforced thermoplastic bio-inspired structures	62228-Bolouri Amir, Farokhabadi Amin, Ghobadi Farshad, Ghahrebaghi Hossein; (Title) Investigation of energy absorption capacity of novel 3D-printed glass fibre reinforced thermoplastic bio-inspired structures

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