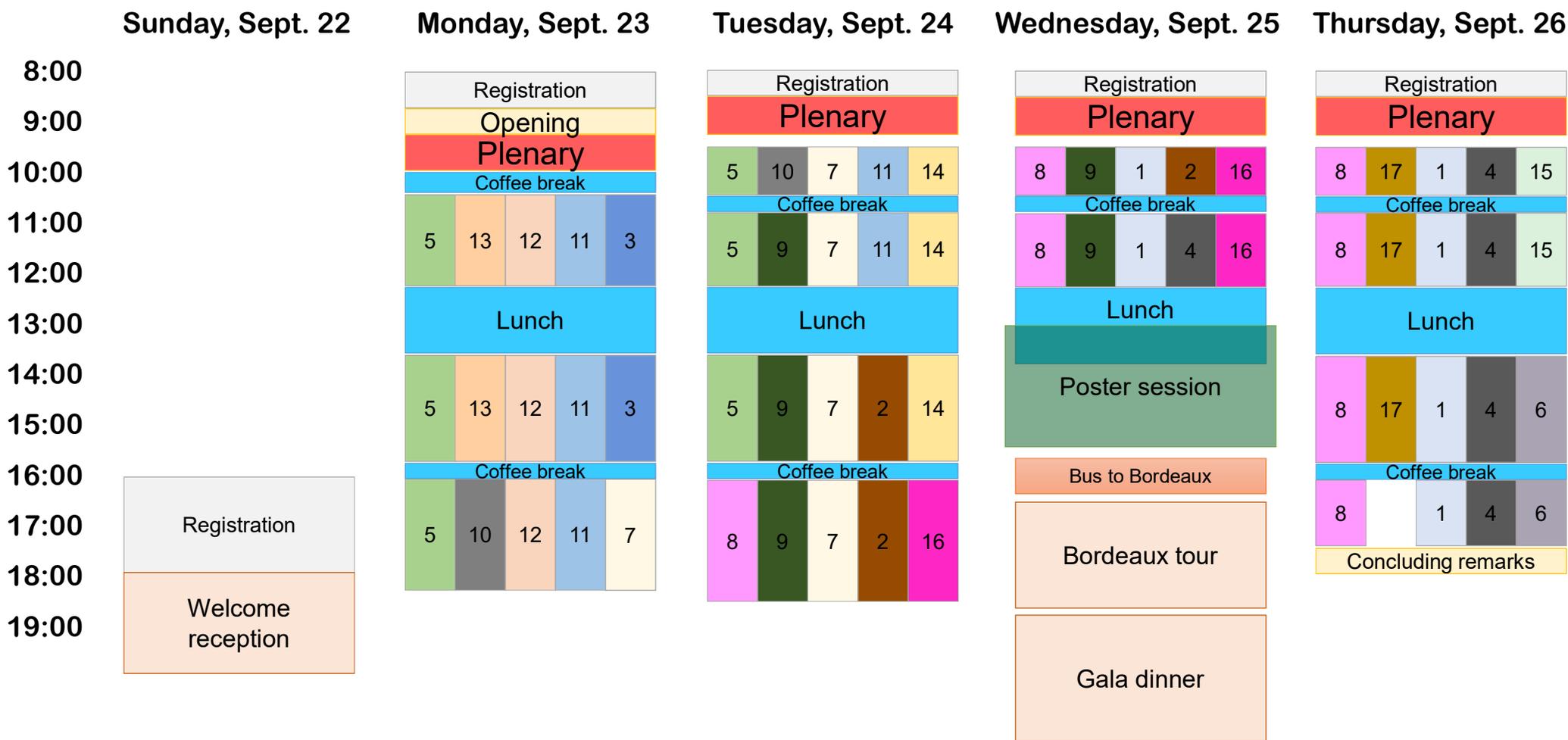


# OVERALL CONFERENCE SCHEDULE







Day	Wednesday 2019-09-25										
08:00 - 08:30	Registration										
Room	Amphi B	Chairperson	Com H1+H2	Chairperson	Com F1+F2	Chairperson	Com E1+E2	Chairperson	Com D1+D2	Chairperson	
08:30 - 09:15	Marina RUGGLES-WRENN Air Force Institute of Technology, Dayton, USA Plenary										
09:15 - 09:30	(Delay to reach committee rooms)										
09:30 - 09:40	2074 Toward the understanding of failure mechanisms of environmental barrier coatings FERNANDEZ Maman Laboratoire des Composites Thermostructuraux	T8 OPIALA Elizabeth	2251 Metal-Catalyst-Free Access to Multiwall Carbon Nanotubes/Silica Nanocomposites (MWNT/SiO2) from a Single-Source Precursor MERA Gabriela TU Darmstadt	T9 BERNARD Samuel	2205 Continuous Fiber Reinforced Composite Microstructure Quantification via Machine Learning: Understanding Fiber Chirality SHERMAN Samuel Southwestern Ohio Council for Higher Education	T1 ZENG Qing-feng	2021 Properties of Continuous Alumina & Mullite Fibers „Made in Germany“ and resulting CMCs KUTRICE Christopher Rohr GmbH	T2 SHIMODA Kazuya	KEYNOTE 2258 Brief history of ceramic matrix composites and their possible future applications for aeroengines GOMEZ Philippe DGA Techniques aéronautiques	T16 BOULLON Eric	
09:40 - 09:50	2003 Damage characterization of EBC/SiC/SiC Ceramic Matrix Composites under complex thermomechanical loading paths LEGIN Blanche Institut Pyramide		2287 Predicting the effects of microstructure on matrix cracking evolution in fiber reinforced CMCs via Machine Learning PATEL Dipen AFRL/UES		2011 Micro-Trellis™: Novel non-woven 3D fabric architecture for CMC and Hybrid MMC-CMC PEGNA Joseph Free Form Fibers		2276 Advances in developing an alternative to ceramic matrix composites in high temperature applications MILEIKO Sergei Institute of Solid State Physics of Russian Academy of Sciences				
09:50 - 10:00	2174 Thermal fatigue cracks on environmental barrier coating under thermal gradients ARCHER Thibaut ONERA, Châtillon (France)		2264 Mechanical characterization of spark plasma sintered precursor derived transition metal oxide (TMO) silicon nitride nanocomposites ERANEZHUTH Wasan Awin Research scholar		2269 Automated Structural Recognition and Evaluation of CMCs using Deep Neural Networks SHIBATA Chihro Tokyo University of Technology		1743 Synthesis and characterization of carbon-poor SiC nanowires via vapor-liquid-solid growth mechanism GUO Chuchu Northwestern Polytechnical University, Xi'an (Shaanxi), China		2289 Advanced High Temperature Materials in Next Generation Vertical Lift Propulsion Systems GHOSHIAL Anindya CCDC Army Research Laboratory		
10:00 - 10:10											
10:10 - 10:20											
10:20 - 10:30											
10:30 - 10:40	Coffee Break										
10:40 - 10:50	Coffee Break										
10:50 - 11:00	Coffee Break										
11:00 - 11:10	KEYNOTE 2136 Microstructural Evolution of Yb2Si2O7 in High-Temperature High-Velocity Spinning OPIALA Elizabeth University of Virginia	T8 KLEMM Hagen	KEYNOTE 1930 Innovative synthesis and characterization of large h-BN single crystals: from bulk to nanowires TOUREY Béatrice University of Lyon	T9 HUMBS Werner	KEYNOTE 2370 Computational aided materials discovery for advanced ceramics ZENG Qing-feng Science and Technology on Thermostructural Composite Materials Laboratory, Northwestern Polytechnical University	T1 VIGNOLES Gérard	KEYNOTE 2204 New Developments in Oxide-Oxide Ceramic Matrix Composites Manufacturing JACKSON Barrett Composites Horizons	T4 KOCH Dietmar	KEYNOTE 2314 Application of Ceramic Matrix Composites to Deliver Value LAZUR Andrew Pratt & Whitney	T16 STERBEL Jim	
11:10 - 11:20	1955 CMAS degradation of environmental barrier coatings in presence of water vapor and air SCHNEFELD Katrin Fraunhofer IPTS Dresden (Germany)		1824 Synthesis and Properties of Biologically-Inspired Pre-Ceramic Polymers MARTIN Kara US Air Force Research Laboratory		2274 C/C-SiC Materials Based on High Performance C Fibres with Tailored Fibre-Matrix Bonding HEDEBRECH Bernhard DLR German Aerospace Center		2048 Development of O <sub>2</sub> /O <sub>2</sub> composites for LPT components - Effect of abradable TBC SEKIGAWA Takahiro Mitsubishi Heavy Industries Aero Engines		1823 Testing - Key to a better understanding of CMC ALBERT Benedikt MTU Aero Engines AG		
11:20 - 11:30	2050 Corrosive Properties of RE-doped Silicate for Environmental Barrier Coatings JANG Byung-Koog Interdisciplinary Graduate School of Engineering Sciences, Kyushu University		1836 Synthesis of Polycarbosilane by new methodology with possible uses for matrix source of CMC NARISAWA Masaki Osaka Prefecture University, Graduate School of Engineering		1920 Effects of Defects on Delamination Failure in Ceramic Matrix Composites KUMAR Rajesh United Technologies Research Center		1925 The effect of matrix porosity on the properties of Oxide Fiber Composites PUGHAS Georg University of Bayreuth - Department of Ceramic Materials Engineering		2299 CMC FRACTURE TOUGHNESS TEST STANDARD DEVELOPMENT ABDI Frank AlphaSTAR Corporation		
11:30 - 11:40	2295 Effect of EBC porosity on performance at 1300°-1425°C in steam PINT Bruce Oak Ridge National Laboratory		1887 Porous catalytic active SiOC monoliths by in-situ formation of Ni nanoparticles in solution based freeze casting SCHUMACHER Daniel Advanced Ceramics, University of Bremen, Germany		1970 Multi-scale study of SiC-SiC/MI material and its application to aeronautical part DENNEULIN Sébastien SAFARI CERAMICS		1937 Design of an oxide/oxide ceramic matrix composite microstructure through controlled layup of a pre-impregnated ceramic ECHEVERRIA Itaso National Composites Centre / University of Surrey		1774 Development and evaluation of the fracture toughness of SiC-based ceramic matrix composite DELAJE Justine Imperial College London		
11:40 - 11:50											
11:50 - 12:00											
12:00 - 12:10											
12:10 - 12:20											
12:20 - 12:30											
12:30 - 13:00	Lunch										
13:00 - 14:00	Poster Session and Lunch										
14:00 - 15:30	Poster Session										
15:30 - 15:40											
15:40 - 16:20	Bus to Bordeaux										
16:20 - 16:30											
16:30 - 18:30	Bordeaux Tour										
18:30 - 18:40											
18:40 - 18:50	Rendez-vous in front of the Palais de la Bourse										
18:50 - 19:00											
19:00 - 23:00	Gala dinner										

Thursday 2019-09-26										
08:00 - 08:30	Registration									
Room	Amphi B	Chairperson	Com H1+H2	Chairperson	Com F1+F2	Chairperson	Com E1+E2	Chairperson	Com D1+D2	Chairperson
08:30 - 09:15	<b>Roland WEIB</b> <i>Schunk Group (retired), Heuchelheim, Germany</i> <b>Plenary</b>									
09:15 - 09:30	(Delay to reach committee rooms)									
09:30 - 09:40	2253 Interfacial toughness of environmental barrier coatings (EBCs with Si bond coat after heat exposure) <b>KARISAWA Hideki</b> <i>National Institute for Materials Science</i>	T8 <b>KITAOKA Satoshi</b>	1942 Evaluation of PVD Cr and Cr multilayer coatings on SiC for nuclear fuel cladding applications <b>MOUCHE Peter</b> <i>ORNL, Oak Ridge (TN, United States)</i>	T17 <b>KATHOY Yutal</b>	1924 Prediction of damage initiation and evolution in SiC/SiC composites by image-based modelling and FFT solver <b>CHEN Yang</b> <i>University of Oxford, Department of Materials</i>	T1 <b>VIGNOLES Gérard</b>	2758 Innovative and differentiating technological platforms to bring CMCs at high TRL levels <b>BOX Maxime</b> <i>IRT Saint Exupéry</i>	T4 <b>PARLIER Michel</b>	2119 Lightweight Metal-Ceramic Hybrid Brake Disc for Electric-Powered Vehicles: Concept and Prototype <b>BALZER Thorsten</b> <i>University of Bayreuth, Department of Ceramic Materials Engineering, (Germany)</i>	T15 <b>KRENKEL Walter</b>
09:40 - 09:50	2072 Development of an advanced bond coat for environmental barrier coating <b>SALLES Marie</b> <i>CNRS, Laboratoire des Composites ThermoStructuraux</i>		2042 TRB207/keratin-derived carbon microtubes composites as anode materials for lithium-ion batteries <b>T Ganesh Babu</b> <i>Laboratory for High Performance Ceramics, Indian Institute of Technology, Madras, India</i>		1877 Modelling accelerated testing conditions for SiC fibers accounting for different degradation mechanisms. <b>BARANGER Emmanuel</b> <i>LMT, ENS Paris-Saclay, CNRS, Université Paris-Saclay</i>		1913 Ionotropic gelation as an alternative for the production and joining of oxide ceramic composites <b>SAINT MARTIN ALMÉIDA Renato</b> <i>Universitat Bremen</i>		2188 High performance CMC friction materials for emergency brakes <b>LANGHOF Nico</b> <i>University of Bayreuth, Ceramic Materials Engineering</i>	
09:50 - 10:00	2004 Advanced oxide strengthened silicon bond coats with rare-earth silicate based EBCs for SiC/SiC CMCs <b>LEISSNER Vito</b> <i>German Aerospace Center - DLR</i>		2223 Industrial manufacturing of a novel graphite-metal carbide composite with potential application under extreme environments <b>RIVKHA MONTI Sergio</b> <i>Nanoscer Research S.L.</i>		1939 SiC/SiC composites crack modeling at the fiber scale using a phasefield approach <b>JARRET Thomas-David</b> <i>PhD student</i>		1938 Understanding the Slurry Infiltration Retention Characteristics of Higher Denier Nextel™ Fabrics in Oxide-Oxide CMC Systems <b>WADE James</b> <i>University of Birmingham</i>		2188 High performance CMC friction materials for emergency brakes <b>LANGHOF Nico</b> <i>University of Bayreuth, Ceramic Materials Engineering</i>	
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10:30 - 10:40	Coffee Break									
10:40 - 10:50	Coffee Break									
10:50 - 11:00	Coffee Break									
11:00 - 11:10	KEYNOTE 1821 Oxidation of SiC-SiC CMC cladding tubes for GFR application in impure helium atmosphere up to 1650°C <b>KEYNOTE</b> <i>Keynote</i>	T8 <b>MECHNICH Peter</b>	1821 Oxidation of SiC-SiC CMC cladding tubes for GFR application in impure helium atmosphere up to 1650°C <b>KEYNOTE</b> <i>Keynote</i>	T17 <b>PARK Ji-Yeon</b>	2008 Image-based modeling of the mechanical behavior of CMCs <b>COUGNAT Guillaume</b> <i>CNRS - LCTS</i>	T1 <b>BARANGER Emmanuel</b>	2003 Design and Development of Complex and Large Oxide CMC Components <b>RUBIO Virtudes</b> <i>National Composites Centre</i>	T4 <b>PUCHAS Georg</b>	KEYNOTE 2027 Carbon Ceramic Brake Systems – outlook after 20 years of success <b>HOLZAPFEL Torsten</b> <i>BSCB</i>	T15 <b>GOLLER Ralf</b>
11:10 - 11:20	1933 Mass transfer in multilayered EBCs consisting of Yb-silicates under oxygen potential gradients at high temperatures <b>KITAOKA Satoshi</b> <i>Japan Fine Ceramics Center</i>		1979 Focus on the thermal behavior of silicon carbide composites as accident tolerant fuel cladding <b>DUQUESNE Loys</b> <i>Framatome, Lyon (France)</i>		1986 Estimation of the damage evolution of an oxide/oxide composite structure subjected to fatigue stress comparison between tests and simulations <b>SALLY Dianne</b> <i>Safra Ceramics, a technology platform of Safran Tech, Chatou (France)</i>		2011 Title to be completed <b>BILLER Nancy-Jane</b> <i>Hochschule Reutlingen, Reutlingen (Baden-Württemberg, Germany)</i>		2305 Carbon fiber based ceramic brake materials - concepts and applications <b>KOCH Dietmar</b> <i>German Aerospace Center, Institute of Structures and Design</i>	
11:20 - 11:30	2001 Thermal properties and crystal structure of ytterbium titanate <b>TANAKA MAKOTO</b> <i>Japan Fine Ceramics Center</i>		1858 Enhancing accident tolerance of nuclear fuel with SiC-based cladding <b>LOBBRETTI Christophe</b> <i>DEN-SERVICE de Recherches Métallurgiques Appliquées, CEA, Université Paris-Saclay</i>		2293 Novel bi-phasic numerical approach for cracking and delamination of carbon-carbon composites <b>AIBOLINI Alessandro</b> <i>Dept. of Aerospace Science and Technology</i>		2059 Progress in industrial manufacturing of oxide fiber composites <b>WAMSER Thomas</b> <i>Schunk Kohlenstofftechnik GmbH</i>		1833 High performance carbon fiber reinforced ceramic composites for future brake system in Chinese high-speed railway <b>XIAO Peng</b> <i>Powder Metallurgy Research Institute, Central South University</i>	
11:30 - 11:40	1918 Pyrochlore lattice tuning towards extremely low thermal conductivity for potential thermal barrier coating applications <b>WANG Yanfei</b> <i>National University of Defense Technology</i>		2249 2D Braided SiC/SiC Composite Tube for Nuclear Fuel Cladding <b>CHEN Bo</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>		2236 COMPARISON OF MESO AND MACRO SCALE MODELLING OF COMPLEX 3D WOVEN COMPOSITE <b>BENZECH Jean</b> <i>LCTS - Safran Ceramics</i>		2061 AN ORIGINAL CONCEPT FOR THE SYNTHESIS OF A COATING OR A COMPOSITE: THE FILM BOILING PROCESS <b>MAILLÉ Laurence</b> <i>University of Bordeaux - Laboratoire des Composites ThermoStructuraux</i>		2013 Net shape CMC components produced by composite flow molding, pyrolysis and liquid silicon infiltration <b>BIANCHI Giovanni</b> <i>SUPSI-DT-MEMTI</i>	
11:40 - 11:50	1918 Pyrochlore lattice tuning towards extremely low thermal conductivity for potential thermal barrier coating applications <b>WANG Yanfei</b> <i>National University of Defense Technology</i>	2249 2D Braided SiC/SiC Composite Tube for Nuclear Fuel Cladding <b>CHEN Bo</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>	2236 COMPARISON OF MESO AND MACRO SCALE MODELLING OF COMPLEX 3D WOVEN COMPOSITE <b>BENZECH Jean</b> <i>LCTS - Safran Ceramics</i>	2061 AN ORIGINAL CONCEPT FOR THE SYNTHESIS OF A COATING OR A COMPOSITE: THE FILM BOILING PROCESS <b>MAILLÉ Laurence</b> <i>University of Bordeaux - Laboratoire des Composites ThermoStructuraux</i>	2013 Net shape CMC components produced by composite flow molding, pyrolysis and liquid silicon infiltration <b>BIANCHI Giovanni</b> <i>SUPSI-DT-MEMTI</i>					
11:50 - 12:00	1918 Pyrochlore lattice tuning towards extremely low thermal conductivity for potential thermal barrier coating applications <b>WANG Yanfei</b> <i>National University of Defense Technology</i>	2249 2D Braided SiC/SiC Composite Tube for Nuclear Fuel Cladding <b>CHEN Bo</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>	2236 COMPARISON OF MESO AND MACRO SCALE MODELLING OF COMPLEX 3D WOVEN COMPOSITE <b>BENZECH Jean</b> <i>LCTS - Safran Ceramics</i>	2061 AN ORIGINAL CONCEPT FOR THE SYNTHESIS OF A COATING OR A COMPOSITE: THE FILM BOILING PROCESS <b>MAILLÉ Laurence</b> <i>University of Bordeaux - Laboratoire des Composites ThermoStructuraux</i>	2013 Net shape CMC components produced by composite flow molding, pyrolysis and liquid silicon infiltration <b>BIANCHI Giovanni</b> <i>SUPSI-DT-MEMTI</i>					
12:00 - 12:10	2047 Improvement of mechanical properties by ytterbium silicide/SiC nanocomposites <b>NAKAYAMA Tadachika</b> <i>Nagasaki Univ of Tech</i>	2249 2D Braided SiC/SiC Composite Tube for Nuclear Fuel Cladding <b>CHEN Bo</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>	2236 COMPARISON OF MESO AND MACRO SCALE MODELLING OF COMPLEX 3D WOVEN COMPOSITE <b>BENZECH Jean</b> <i>LCTS - Safran Ceramics</i>	2061 AN ORIGINAL CONCEPT FOR THE SYNTHESIS OF A COATING OR A COMPOSITE: THE FILM BOILING PROCESS <b>MAILLÉ Laurence</b> <i>University of Bordeaux - Laboratoire des Composites ThermoStructuraux</i>	2013 Net shape CMC components produced by composite flow molding, pyrolysis and liquid silicon infiltration <b>BIANCHI Giovanni</b> <i>SUPSI-DT-MEMTI</i>					
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12:30 - 12:40	Lunch									
12:40 - 12:50	Lunch									
12:50 - 13:00	Lunch									
13:00 - 13:10	Lunch									
13:10 - 13:20	Lunch									
13:20 - 13:30	Lunch									
13:30 - 13:40	Lunch									
13:40 - 13:50	KEYNOTE 2291 Accident-tolerant SiC/SiC composite fuel cladding materials – the H2020 IL TROVATORE approach to performance optimization (keynote) <b>LAMBRINOU Konstantina</b> <i>SKC-CEN</i>	T8 <b>VABEN Roland</b> (not confirmed)	2291 Accident-tolerant SiC/SiC composite fuel cladding materials – the H2020 IL TROVATORE approach to performance optimization (keynote) <b>LAMBRINOU Konstantina</b> <i>SKC-CEN</i>	T17 <b>SAUDER Cédric</b>	KEYNOTE 2279 Macroscopic Numerical Modeling of CVI Process for Preforms with Non-Uniformly Scaled Pores <b>KULIK Victor</b> <i>STR Group, Inc. – Soft-Impact, Ltd.</i>	T1 <b>POERSCHKE David</b>	KEYNOTE 2038 All-oxide ceramic matrix composites (OCMC) based on low cost 3M™ Nextel™ <b>PRITZKOW Walter</b> <i>Walter E.C. Pritzkow Spezialkeramik</i>	T4 <b>KELLER Kristin</b> (not confirmed)	KEYNOTE 2032 1%-D PRINTING™: Additive Manufacturing of Filamentary Structures <b>PEGNA Joseph</b> <i>Free Form Fibers</i>	T6 <b>MEI Hui</b>
13:50 - 14:00	2358 PVD-based Environmental Barrier Coatings for SiC/SiC CMCs: processing, microstructure and cyclic behavior <b>SCHULZ Uwe</b> <i>German Aerospace Center</i>		2143 Opportunities for High Temperature Ceramics and Composites in Fusion Energy Applications <b>KATHOY Yutal</b> <i>Oak Ridge National Laboratory</i>		1849 Thermodynamic stability of BaZr2O4 and phase relationship of the BaO-Ln2O3 system (Ln = La, Nd, Sm) <b>IGONG Weiping</b> <i>Laboratory of Electronic Functional Materials, Huizhou University, China</i>		2166 2D-Laminated Oxide-Oxide FRCCMC with Tailored Internal and Surface Structure via Polymer-based Prepregs <b>JANSSSEN Rolf</b> <i>Institute of Advanced Ceramics</i>		1626 Stereolithographic Additive Manufacturing of Sound Absorption Cavities <b>KIRIHARA Soshu</b> <i>Osaka University</i>	
14:00 - 14:10	1857 Development of Environmental Barrier Coatings for SiC/SiC Ceramic Matrix Composites via CVD <b>KONG TII</b> <i>DEHEMA-Forschungsinstitut, Frankfurt am Main, Germany</i>		2300 Design Considerations for EnCore™ ATF with SiC Cladding <b>LONG Yun</b> <i>Westinghouse Electric Company</i>		1896 Effects of fiber and interfacial properties on fiber fragmentation and pullout in SiC-BN-SiC minicomposites <b>CALLAWAY Evan</b> <i>University of California, Santa Barbara</i>		2180 Design, manufacture and testing of an all-oxide fiber reinforced fan blade <b>KOCH Dietmar</b> <i>German Aerospace Center, Institute of Structures and Design</i>		2043 Macroporous SiC Ceramics by 3D-printing and chemical vapor infiltration/deposition <b>CHOLLON Georges</b> <i>LCTS</i>	
14:10 - 14:20	1884 Advances in the electrophoretic deposition of ceramics example of rare-earth silicate coatings <b>PRIOLU Marion</b> <i>CERAMAT</i>		2380 Performance Assessment of the Westinghouse ENCORE Fuel with SiC Cladding for PWRs <b>XU Peng</b> <i>Westinghouse Electric Company</i>		1977 Surface Recession of a 3D C/C Composite Under Turbulent Flow <b>LAMBOLLEY Xavier</b> <i>Laboratoire des Composites ThermoStructuraux</i>		1859 COMPOSITES SYNTHESIZED WITH ACID-BASED GEOPOLYMERS <b>MATHIEU Virginie</b> <i>ONERA</i>		2142 Manufacturing of silicon oxycarbide parts by stereolithography using cost-reduced Polymer-Derived Ceramics <b>ARBORE Romain</b> <i>CTFC</i>	
14:20 - 14:30	2333 Effect of difference in material of substrate on aerosol deposited multilayer coating under heat exposure <b>HASEGAWA Makoto</b> <i>Yokohama National University</i>	1963 OVERVIEW OF SiC/SiC DEVELOPMENTS FOR CLADDING APPLICATION IN GAS FAST REACTOR <b>SAUDER Cédric</b> <i>DEN-SERVICE de Recherches Métallurgiques Appliquées, CEA, Université Paris-Saclay</i>	2066 Modeling the Oxidation Embrittlement of SiC/SiC Composites in Water Vapor Environments <b>COLLIER Virginia</b> <i>University of California, Santa Barbara</i>	1911 Improving the mechanical properties of titanium carbonitride reinforced alumina ceramics by spark plasma sintering <b>SZUTKOWSKA MAGDALENA</b> <i>INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY</i>	1898 Magics of 3D printed ceramic composites: Structural to Functional <b>MEI Hui</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>					
14:30 - 14:40	2333 Effect of difference in material of substrate on aerosol deposited multilayer coating under heat exposure <b>HASEGAWA Makoto</b> <i>Yokohama National University</i>	1963 OVERVIEW OF SiC/SiC DEVELOPMENTS FOR CLADDING APPLICATION IN GAS FAST REACTOR <b>SAUDER Cédric</b> <i>DEN-SERVICE de Recherches Métallurgiques Appliquées, CEA, Université Paris-Saclay</i>	2066 Modeling the Oxidation Embrittlement of SiC/SiC Composites in Water Vapor Environments <b>COLLIER Virginia</b> <i>University of California, Santa Barbara</i>	1911 Improving the mechanical properties of titanium carbonitride reinforced alumina ceramics by spark plasma sintering <b>SZUTKOWSKA MAGDALENA</b> <i>INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY</i>	1898 Magics of 3D printed ceramic composites: Structural to Functional <b>MEI Hui</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>					
14:40 - 14:50	2333 Effect of difference in material of substrate on aerosol deposited multilayer coating under heat exposure <b>HASEGAWA Makoto</b> <i>Yokohama National University</i>	1963 OVERVIEW OF SiC/SiC DEVELOPMENTS FOR CLADDING APPLICATION IN GAS FAST REACTOR <b>SAUDER Cédric</b> <i>DEN-SERVICE de Recherches Métallurgiques Appliquées, CEA, Université Paris-Saclay</i>	2066 Modeling the Oxidation Embrittlement of SiC/SiC Composites in Water Vapor Environments <b>COLLIER Virginia</b> <i>University of California, Santa Barbara</i>	1911 Improving the mechanical properties of titanium carbonitride reinforced alumina ceramics by spark plasma sintering <b>SZUTKOWSKA MAGDALENA</b> <i>INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY</i>	1898 Magics of 3D printed ceramic composites: Structural to Functional <b>MEI Hui</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>					
14:50 - 15:00	2333 Effect of difference in material of substrate on aerosol deposited multilayer coating under heat exposure <b>HASEGAWA Makoto</b> <i>Yokohama National University</i>	1963 OVERVIEW OF SiC/SiC DEVELOPMENTS FOR CLADDING APPLICATION IN GAS FAST REACTOR <b>SAUDER Cédric</b> <i>DEN-SERVICE de Recherches Métallurgiques Appliquées, CEA, Université Paris-Saclay</i>	2066 Modeling the Oxidation Embrittlement of SiC/SiC Composites in Water Vapor Environments <b>COLLIER Virginia</b> <i>University of California, Santa Barbara</i>	1911 Improving the mechanical properties of titanium carbonitride reinforced alumina ceramics by spark plasma sintering <b>SZUTKOWSKA MAGDALENA</b> <i>INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY</i>	1898 Magics of 3D printed ceramic composites: Structural to Functional <b>MEI Hui</b> <i>Northwestern Polytechnical University, Xi'an (Shaanxi, China)</i>					
15:00 - 15:10	2282 Environmental Barrier Coatings Made by Different Thermal Spray Technologies <b>VABEN Robert</b> <i>Forschungszentrum Jülich GmbH, IEK-1</i>	2357 Development of Silicon Carbide as a Nuclear Fuel Cladding <b>CZERNIAK Luke</b> <i>Westinghouse Electric Company</i>	2292 Evaluation of Surface Finish technology in the part manufacturing of Oxide-Oxide Ceramic Matrix Composites Parts <b>TONTSAKIS Antonios</b> <i>Axiom Materials</i>	2166 2D-Laminated Oxide-Oxide FRCCMC with Tailored Internal and Surface Structure via Polymer-based Prepregs <b>JANSSSEN Rolf</b> <i>Institute of Advanced Ceramics</i>	1997 3D PRINTING OF CERAMIC MATRIX COMPOSITES USING FUSED DEPOSITION MODELLING <b>KUDISONGA Christian</b> <i>School of Mechanical and Mining Engineering, The University of Queensland, Australia</i>					
15:10 - 15:20	2282 Environmental Barrier Coatings Made by Different Thermal Spray Technologies <b>VABEN Robert</b> <i>Forschungszentrum Jülich GmbH, IEK-1</i>	2357 Development of Silicon Carbide as a Nuclear Fuel Cladding <b>CZERNIAK Luke</b> <i>Westinghouse Electric Company</i>	2292 Evaluation of Surface Finish technology in the part manufacturing of Oxide-Oxide Ceramic Matrix Composites Parts <b>TONTSAKIS Antonios</b> <i>Axiom Materials</i>	2166 2D-Laminated Oxide-Oxide FRCCMC with Tailored Internal and Surface Structure via Polymer-based Prepregs <b>JANSSSEN Rolf</b> <i>Institute of Advanced Ceramics</i>	1997 3D PRINTING OF CERAMIC MATRIX COMPOSITES USING FUSED DEPOSITION MODELLING <b>KUDISONGA Christian</b> <i>School of Mechanical and Mining Engineering, The University of Queensland, Australia</i>					
15:20 - 15:30	2282 Environmental Barrier Coatings Made by Different Thermal Spray Technologies <b>VABEN Robert</b> <i>Forschungszentrum Jülich GmbH, IEK-1</i>	2357 Development of Silicon Carbide as a Nuclear Fuel Cladding <b>CZERNIAK Luke</b> <i>Westinghouse Electric Company</i>	2292 Evaluation of Surface Finish technology in the part manufacturing of Oxide-Oxide Ceramic Matrix Composites Parts <b>TONTSAKIS Antonios</b> <i>Axiom Materials</i>	2166 2D-Laminated Oxide-Oxide FRCCMC with Tailored Internal and Surface Structure via Polymer-based Prepregs <b>JANSSSEN Rolf</b> <i>Institute of Advanced Ceramics</i>	1997 3D PRINTING OF CERAMIC MATRIX COMPOSITES USING FUSED DEPOSITION MODELLING <b>KUDISONGA Christian</b> <i>School of Mechanical and Mining Engineering, The University of Queensland, Australia</i>					
15:30 - 15:40	2282 Environmental Barrier Coatings Made by Different Thermal Spray Technologies <b>VABEN Robert</b> <i>Forschungszentrum Jülich GmbH, IEK-1</i>	2357 Development of Silicon Carbide as a Nuclear Fuel Cladding <b>CZERNIAK Luke</b> <i>Westinghouse Electric Company</i>	2292 Evaluation of Surface Finish technology in the part manufacturing of Oxide-Oxide Ceramic Matrix Composites Parts <b>TONTSAKIS Antonios</b> <i>Axiom Materials</i>	2166 2D-Laminated Oxide-Oxide FRCCMC with Tailored Internal and Surface Structure via Polymer-based Prepregs <b>JANSSSEN Rolf</b> <i>Institute of Advanced Ceramics</i>	1997 3D PRINTING OF CERAMIC MATRIX COMPOSITES USING FUSED DEPOSITION MODELLING <b>KUDISONGA Christian</b> <i>School of Mechanical and Mining Engineering, The University of Queensland, Australia</i>					
15:40 - 15:50	Coffee Break									
15:50 - 16:00	Coffee Break									
16:00 - 16:10	Coffee Break									
16:10 - 16:20	Coffee Break									
16:20 - 16:30	KEYNOTE 2170 Reaction-bonded Al2O3 coatings for Al2O3/Al2O3 Ceramic Matrix Composites <b>MECHNICH Peter</b> <i>German Aerospace Center</i>	T8 <b>SCHULZ Uwe</b>	2235 Experimental Study and Numerical Modeling of Pulse Flow CVI Process for Production of Organomorphic C/SiC Composites from Methylsilane <b>KULIK Victor</b> <i>Balk State Technical University "VOENMEH"</i>	T1 <b>KULIK Alexy</b>	2063 Three innovative ways to get an oxide oxide composite of barium aluminosilicate as a matrix and alumina fibers as reinforcement. <b>ALLEMAND ALEXANDRE</b> <i>CEA-LCTS</i>	T4 <b>BOUILLON Florent</b>	KEYNOTE 2372 Additive manufacturing of ceramic matrix composites: focus on direct ink writing <b>FRANCHI Giorgia</b> <i>University of Padova</i>	T6 <b>CHOLLON Georges</b>	2272 Direct ink writing of polymer-derived ceramic composites <b>COMPTON Brett</b> <i>University of Tennessee</i>	
16:30 - 16:40	2014 ADVANCED ENVIRONMENTAL BARRIER COATINGS FOR AL2O3/AL2O3 CMCs MANUFACTURED BY THERMAL SPRAY PROCESSES <b>GATZEN Caren Sophia</b> <i>Forschungszentrum Jülich GmbH</i>		1873 Modeling Defect Behavior in Perovskite Oxides and Their Superlattices <b>XU Haikuan</b> <i>The University of Tennessee Knoxville</i>		1934 High temperature mechanical behavior of an alumina/alumina composite <b>DEBARRE Antoine</b> <i>DMAS, ONERA</i>		2272 Direct ink writing of polymer-derived ceramic composites <b>COMPTON Brett</b> <i>University of Tennessee</i>			
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17:00 - 17:10	Concluding Remarks									
17:05 - 17:35	Concluding Remarks									