

List of Oral Presenters

15th Conference & Exhibition of the European Ceramic Society / ECerS2017

Name	Title	Presentation	Day	Date	Room	Time	Topic Nr.	Abstract ID
Abilio P. Silva	CaZrO ₃ -MgO multiphase ceramics obtained from natural and pure raw materials	Oral	Thursday	July 13, 2017	Pátria	11:25–11:40	T03	403
Acacio Rincón	Mullite foams from engineered alkali activated suspensions	Oral	Monday	July 10, 2017	Brahms	18:25–18:40	T07	228
Adelina Ianculescu	Preparation and characterization of Cerium-doped BaTiO ₃ nanotubes structures	Oral	Tuesday	July 11, 2017	Bartók	10:05–10:20	T04	745
Adrian Goldstein	Transparent ceramics and glasses containing TM ⁺ (RE ⁺) cations: spectroscopy, materials and applications	Invited	Wednesday	July 12, 2017	Bartók	8:30–8:55	T04	878
Aitana Tamayo	Thermochemical behavior of porous SiOC/LSMO nanocomposites with 1D nanostructures for syngas production	Oral	Tuesday	July 11, 2017	Liszt	10:05–10:20	T05	480
Alberto Moure	Role of the interfaces in metal-ceramic nanocomposites processed by novel routes in air	Oral	Thursday	July 13, 2017	Mozart	11:25–11:40	T01	145
Alberto Vomiero	Composite ceramic nanostructures for high-efficiency sunlight conversion	Invited	Thursday	July 13, 2017	Mozart	11:00–11:25	T01	836
Aldo R. Boccaccini	Expanding applications of bioactive glasses in tissue engineering and wound healing	Invited	Wednesday	July 12, 2017	Lehár	11:25–11:50	T06	960
Aleksey Yaremchenko	Designing the composite SrVO ₃ -SrTiO ₃ anodes for hydrocarbon-fueled solid oxide fuel cells	Oral	Thursday	July 13, 2017	Liszt	11:45–12:00	T05	611
Alessandra Sanson	Manufacturing of proton conductive ceramics for hydrogen separation membranes and fuel cells	Invited	Monday	July 10, 2017	Mozart	11:40–12:05	T05	829

Alessia Masini	Mechanical characterisation of multi-layered ceramic systems for SOC	Oral	Thursday	July 13, 2017	Liszt	10:05–10:20	T05	484
Alexander Mukasyan	Combustion synthesis of refractory ceramics	Invited	Tuesday	July 11, 2017	Brahms	8:30–8:55	T09	082
Alexandra Monika Heymann	Chemical stability of ceramic dual-phase membrane materials for H ₂ -separation in water-gas shift reactors	Oral	Monday	July 10, 2017	Mozart	12:20–12:35	T05	180
Alexandre Zirpoli Simoes	Towards CO sensors based on lanthanum doped cerium dioxide thick films	Invited	Wednesday	July 12, 2017	Bartók	11:00–11:25	T04	111
Ali Alzahrani	Effect of sintering temperature on crystallization of nepheline-leucite glass-ceramics	Oral	Tuesday	July 11, 2017	Lehár	12:05–12:20	T02	266
Ali Semih Yurttaş	Preparation of alumina supports for the fabrication of high flux thin membranes	Oral	Thursday	July 13, 2017	Liszt	12:00–12:15	T05	350
Alodia Orera	Development of advanced electrodes by metal oxide impregnation for microtubular solid oxide fuel cells	Oral	Tuesday	July 11, 2017	Liszt	11:55–12:10	T05	797
Amalia C. Wagner	Effect of particle size and hierarchical structuring on the electrochemical properties of NCM-cathode materials in lithium-ion-batteries	Oral	Monday	July 10, 2017	Mozart	18:20–18:35	T05	373
Amin M'Barki	Direct Ink Writing of boehmite gels: rheological understanding of printability	Oral	Wednesday	July 12, 2017	Liszt	9:20–9:35	T01	078
Amirsalar Khandan	Novel nanocomposite ceramic scaffold fabricated via 3D printing for cancer therapy application	Oral	Thursday	July 13, 2017	Lehár	15:30–15:45	T06	135
Amy Wat	Fabrication and characterization of nacre-inspired metal infused ceramics	Oral	Tuesday	July 11, 2017	Pátria	16:05–16:20	T03	428
Andraž Kocjan	The phase-partitioning-dependent residual stress evolution in 3Y-TZP ceramics affecting ageing and fracture behaviour	Oral	Wednesday	July 12, 2017	Lehár	12:50–13:05	T06	792

Andrea Zocca	LSD-3D printing: a novel technology for the Additive Manufacturing of ceramics	Invited	Wednesday	July 12, 2017	Liszt	8:55–9:20	T01	422
Andreas B. Richter	Overcoming barriers of lead-free piezoceramics – spray-pyrolysis as a preferred synthesis route	Oral	Thursday	July 13, 2017	Bartók	11:15–11:30	T04	632
Andreas Börger	Granulated RTP magnesia stabilised zirconia for refractories	Oral	Wednesday	July 12, 2017	Mozart	11:40–11:55	T11	464
Andreas Egger	Cr/Si-poisoning of $\text{La}_2\text{NiO}_{4+\delta}$ used as air electrode in solid oxide cells	Oral	Thursday	July 13, 2017	Liszt	16:00–16:15	T05	556
Andreas F.J. Kaiser	Advanced manufacturing of porous ceramic structures for use in energy applications	Invited	Monday	July 10, 2017	Liszt	14:55–15:20	T01	832
Andrzej Calka	Synthesis, characterisation and properties of perovskite ceramics prepared by electric discharge assisted mechanical milling	Oral	Wednesday	July 12, 2017	Liszt	9:50–10:05	T01	850
Andrzej M. Warchał	Investigation of the influence of metallic additives on the thermomechanical properties of carbon-bonded refractory composites	Oral	Wednesday	July 12, 2017	Mozart	10:05–10:20	T11	251
Andy Nieto	Towards sandphobic thermal barrier coatings (TBCs) – characterization of YSZ-based TBCs exposed to sand laden combustion flows	Oral	Thursday	July 13, 2017	Pátria	11:40–11:55	T03	431
Anita Terjék	Comparative analysis of surface properties for assessing slip resistance of glazed ceramic tiles	Oral	Monday	July 10, 2017	Brahms	16:20–16:35	T07	641
Anna Tampieri	Nature-inspired innovative processes to generate smart materials for regenerative medicine	Invited	Wednesday	July 12, 2017	Lehár	11:00–11:25	T06	951
Annika Pille	From wet sponges to optoceramics	Oral	Tuesday	July 11, 2017	Lehár	15:25–15:40	T02	142
Anthony Quinn	Craftsmanship alone is not enough	Invited	Tuesday	July 11, 2017	Mozart	11:40–12:20	T12	933

Antionette Can	A study of novel PcBN tool materials in interrupted machining applications	Oral	Tuesday	July 11, 2017	Brahms	15:25–15:40	T09	397
Antonio Javier Sanchez Herencia	Porous and dense materials using bioplastics as structurers in colloidal processing	Oral	Wednesday	July 12, 2017	Liszt	10:05–10:20	T01	813
Antonio Vinci	Effect of SiC on the oxidation resistance of carbon fibre reinforced ZrB ₂ /SiC composites	Oral	Tuesday	July 11, 2017	Pátria	10:25–10:40	T03	235
Arnaud Roux	Truly comprehensive solutions to produce ceramic parts with 3D printing	Oral	Wednesday	July 12, 2017	Liszt	9:35–9:50	T01	259
Ashish Agarwal	Investigation of crystal structure and magnetic properties of Ba and Nd co-doped BiFeO ₃ multiferroics at morphotropic phase boundaries	Oral	Thursday	July 13, 2017	Bartók	11:30–11:45	T04	122
Ashok Vaseashta	4D-printed hydrogel-based composite structures by additive processing	Invited	Wednesday	July 12, 2017	Liszt	8:30–8:55	T01	821
Baptiste Croissant	MgAl ₂ O ₄ -based catalyst deposition over nickel-chromium alloy for steam methane reforming in millimetric-channel reactor	Oral	Tuesday	July 11, 2017	Liszt	15:55–16:10	T05	166
Barbara Malič	Exploring relaxor-ferroelectric ceramics for electrocaloric cooling applications	Invited	Tuesday	July 11, 2017	Bartók	11:00–11:25	T04	532
Baris Yavas	Formation of molybdenum boride layers on TZM alloy by spark plasma sintering process	Oral	Tuesday	July 11, 2017	Lehár	12:20–12:35	T02	487
beatrice Lucchese	Ceramic tile surfaces: cleanability and durability performances	Oral	Monday	July 10, 2017	Brahms	15:50–16:05	T07	377
Belinda J Colston	18 th and 19 th century garden ceramics: investigation of manufacturers' stamps in relation to compositional change	Oral	Thursday	July 13, 2017	Brahms	15:00–15:15	T10	063
Benjamin V.T. Hanby	Magnetron sputtered ceramics for high temperature electrical insulation	Oral	Thursday	July 13, 2017	Bartók	9:25–9:40	T04	395

Biljana V. Djordjevic	Contemporary ceramic art and traditional pottery techniques – where is the point?	Invited	Tuesday	July 11, 2017	Mozart	14:30–15:00	T12	237
Bjoern Mieller	Effect of electrode configuration on dielectric strength testing	Oral	Thursday	July 13, 2017	Bartók	9:40–9:55	T04	474
Bora Maviş	Near zero thermal expansion ZrW ₂ O ₈ /ZrO ₂ composites	Oral	Thursday	July 13, 2017	Pátria	15:00–15:15	T03	385
Branimir Bajac	Dielectric properties and interface effects in multilayer BaTiO ₃ /NiFe ₂ O ₄ multiferroic thin films	Oral	Monday	July 10, 2017	Bartók	12:50–13:05	T04	629
Branko Z Matovic	Synthesis and characterization of nanometric gadolinia powders by low temperature solid-state displacement reaction	Oral	Wednesday	July 12, 2017	Liszt	12:05–12:20	T01	244
Bryan W. Stuart	Phosphate based glass/ceramic coatings for therapeutic ion leaching in orthopaedic applications	Oral	Thursday	July 13, 2017	Lehár	14:45–15:00	T06	101
Burak Cagri Ocak	Solid solution formation and mechanical properties of ZRC ceramics enhanced by tic particles and graphene	Oral	Thursday	July 13, 2017	Mozart	9:15–9:30	T02	493
Burak Cagri Ocak	Microstructure and mechanical properties of NbB ₂ /SiC-GNP composites	Oral	Thursday	July 13, 2017	Pátria	12:40–12:55	T03	952
Burcu Apak	Light weight metallic additive effect on ballistic performance of spark plasma sintered B ₄ C	Oral	Thursday	July 13, 2017	Mozart	15:15–15:30	T01	270
Busra Guney	Fracture toughness properties of spark plasma sintered boron carbide ceramics using Ti and TiO ₂	Oral	Monday	July 10, 2017	Lehár	18:50–19:05	T02	216
Byung-Koog Jang	Thermo-chemical properties of re-silicate environmental barrier coatings	Oral	Thursday	July 13, 2017	Pátria	15:15–15:30	T03	284

Camille Ortali	Influence of carbonate groups on the low-temperature consolidation by spark plasma sintering of phosphocalcic bioceramics	Oral	Thursday	July 13, 2017	Lehár	10:05–10:20	T06	291
Carmen Baudin	Diopside-tricalcium phosphate bioactive ceramics	Oral	Thursday	July 13, 2017	Lehár	9:20–9:35	T06	269
Carmen Baudin	The main role of silica gel technology on alumina castables	Invited	Wednesday	July 12, 2017	Mozart	8:55–9:20	T11	715
Carmen Galassi	Milling and quite-fast sintering as key production steps to obtain fully dense PZTN-CF particulate composites	Oral	Monday	July 10, 2017	Bartók	17:30–17:45	T04	673
Carolina Clausell-Terol	Microstructural and electromagnetic study of a CuNiZn ferrite obtained by a non-traditional ceramic process	Oral	Tuesday	July 11, 2017	Lehár	10:05–10:20	T02	254
Carolina Tallon	Densification strategies for Ultra High Temperature Ceramics prepared by Near-Net-Shaping Techniques	Invited	Monday	July 10, 2017	Lehár	17:25–17:50	T02	109
Caroline D. Liégaut	UHTC based matrix as a protection for C/C composites for very high temperature use: original manufacturing and oxidation resistance	Oral	Tuesday	July 11, 2017	Pátria	10:10–10:25	T03	508
Caroline Tschirpke	From primary particle coating to sintered ceramics – an alternative method to create homogenous ZTA ceramics	Oral	Monday	July 10, 2017	Liszt	18:35–18:50	T01	935
Cassandre Piriou	Contribution to the thermodynamic study and oxidation behavior of HfB ₂ -SiC ultra-high temperature ceramics	Oral	Wednesday	July 12, 2017	Brahms	9:10–9:25	T09	072
Cekdar Vakifahmetoglu	Aligned porosity SiOC ceramics	Oral	Wednesday	July 12, 2017	Pátria	11:50–12:05	T03	139
Cem E. Özbilgin	Mixed glass former effect on ionic conductivity of lithium borophosphate glasses with SO ₃ addition	Oral	Monday	July 10, 2017	Mozart	18:05–18:20	T05	808

Chang Shu	A 3-D phase diagram of lead-free $z(\text{Ba}_{1-x}\text{Ca}_x)\text{TiO}_3-(1-z)\text{Ba}(\text{Zr}_y\text{Ti}_{1-y})\text{O}_3$ piezoceramics system determined by Raman spectroscopy	Oral	Thursday	July 13, 2017	Bartók	9:10–9:25	T04	625
Chengying Bai	High-porosity foamed geopolymers by the frothing/peroxide route for water purification and thermal insulation	Oral	Wednesday	July 12, 2017	Pátria	12:05–12:20	T03	042
Ching-Hwa Ho	Structural, optical, and optoelectronics properties of Cr incorporated WSe_2 layered compounds	Oral	Tuesday	July 11, 2017	Bartók	9:50–10:05	T04	090
Christian Schröder	Influence of humidity and temperature on the fatigue behavior of silicon nitride and zirconia ceramics	Oral	Monday	July 10, 2017	Pátria	17:50–18:05	T03	227
Christian Thieme	Surface and volume crystallization in glasses from the system BaO-SrO-ZnO-SiO_2	Oral	Thursday	July 13, 2017	Pátria	12:25–12:40	T03	283
Clive Randall	Sucking the heat out of ceramic processing	Invited	Wednesday	July 12, 2017	Bartók	11:25–11:50	T04	946
Corinne Salles	Permeability and ionic conductivity of $\text{CaTi}_{0.9}\text{Fe}_{0.1}\text{O}_{3-\delta}$	Oral	Monday	July 10, 2017	Mozart	12:50–13:05	T05	340
Danai Poulidi	Evaluation of prospective perovskite mediators for magnetic fluid hyperthermia	Oral	Thursday	July 13, 2017	Lehár	9:35–9:50	T06	427
Dániel Veres	Investigation of the mechanical and thermomechanical properties of carbon-bonded alumina refractories with reduced carbon content due to nano- and microscale additives	Oral	Wednesday	July 12, 2017	Mozart	11:25–11:40	T11	756
Daniela Olevano	Microstructural characterization of commercial ceramic materials for ballistic applications	Oral	Monday	July 10, 2017	Pátria	18:35–18:50	T03	257
Daniela Olevano	Degradation of silicon carbide based refractories in CFB plants under co-combustion conditions	Oral	Wednesday	July 12, 2017	Mozart	9:50–10:05	T11	962

Darunee Wattanasiriwech	Fly ash based-cordierite containing mullite geopolymer composite	Oral	Wednesday	July 12, 2017	Pátria	12:50–13:05	T03	279
David E.J. Armstrong	Multiscale mechanical testing and characterization of SiC/SiC composites for accident tolerant nuclear fuel	Invited	Thursday	July 13, 2017	Pátria	8:55–9:20	T03	957
David Udomsilp	Optimization of (La,Sr)(Co,Fe)O ₃ cathodes aiming on high performance and enhanced durability in metal-supported fuel cells	Oral	Thursday	July 13, 2017	Liszt	14:30–14:45	T05	175
Desirée Ciria	High-temperature mechanical behavior of fully dense La _{9.33+x} Si ₆ O _{26+3x/2} oxyapatite electrolyte materials for SOFCs	Oral	Tuesday	July 11, 2017	Liszt	9:50–10:05	T05	329
Di Zhang	Bio-inspired functional materials converted from nature species	Invited	Thursday	July 13, 2017	Brahms	8:30–8:55	T08	846
Diego Gomez-Garcia	A short review on the mechanical properties of pure fully-dense boron carbide fine ceramics	Invited	Tuesday	July 11, 2017	Pátria	9:45–10:10	T03	280
Dietmar Koch	Reactive metal infiltration for manufacturing of ceramic matrix composites	Invited	Monday	July 10, 2017	Lehár	14:55–15:20	T02	026
Diletta Sciti	Processing and properties of B ₄ C-based systems combined with TiB ₂ and SiC	Invited	Wednesday	July 12, 2017	Brahms	8:30–8:55	T09	144
Dmitry Moskovskikh	Reactive spark plasma sintering of boron carbide nanostructured ceramics	Oral	Wednesday	July 12, 2017	Brahms	9:55–10:10	T09	466
Domingo Pérez-Coll	Overview of the electrical properties of yttrium-doped strontium zirconate as a proton-conducting component in high-temperature electrochemical devices	Oral	Monday	July 10, 2017	Mozart	16:05–16:20	T05	831
Dominique Hautcoeur	Characterisation of anisotropic thermal conductivity of ceramic/metal composites using freeze casted ceramic preform	Oral	Thursday	July 13, 2017	Pátria	11:00–11:25	T03	181

Dong-Kyun Seo	New aluminosilicate nanoaggregates synthesis from low-temperature geopolymerization processes	Invited	Wednesday	July 12, 2017	Liszt	11:00–11:25	T01	812
Douglas Gouvêa	Segregation and surface excess during ceramic process and sintering	Invited	Tuesday	July 11, 2017	Lehár	11:25–11:50	T02	838
Dusan Galusek	Al ₂ O ₃ -Y ₃ Al ₅ O ₁₂ composites with submicron microstructure by hot pressing of yttrium aluminate glass microspheres	Oral	Tuesday	July 11, 2017	Lehár	11:50–12:05	T02	234
Duygu Ağaoğulları	<i>In-situ</i> formation of VB ₂ /VC composite powders from oxide raw materials via powder metallurgy processes	Oral	Tuesday	July 11, 2017	Brahms	12:35–12:50	T09	975
Duygu Yilmaz	Effect of calcium carbonate addition on the gel precursor synthesise of boron carbide	Oral	Tuesday	July 11, 2017	Brahms	9:50–10:05	T09	586
Eduardo Saiz	Ceramic-based composites with complex architectures	Invited	Monday	July 10, 2017	Pátria	12:30–12:55	T03	440
Elisa Mercadelli	Screen printed cathode layers with enhanced adhesion through plasma-modification of substrates surface	Oral	Thursday	July 13, 2017	Liszt	10:20–10:35	T05	631
Elisa Rambaldi	Pathway towards high recycled content traditional ceramics	Invited	Monday	July 10, 2017	Brahms	17:00–17:25	T07	702
Eliseo Monfort	New challenges in occupational health in the European ceramic industry	Invited	Monday	July 10, 2017	Brahms	14:30–14:55	T07	818
Elizabeth C. Dickey	Local structure analysis of electroceramics via aberration-corrected scanning transmission electron microscopy	Invited	Monday	July 10, 2017	Bartók	14:30–14:55	T04	714
Emrah Dölekçekiç	Seeding of lithium disilicate glass–ceramics for enhanced fracture toughness	Oral	Wednesday	July 12, 2017	Lehár	10:05–10:20	T06	794
Endre Horvath	Cleaning with photons: challenges and opportunities of photocatalytic water and air sterilization	Oral	Wednesday	July 12, 2017	Lehár	12:20–12:35	T06	624

Enrico Storti	Impact of surface functionalization of carbon-bonded filters on steel cleanliness	Oral	Wednesday	July 12, 2017	Mozart	11:55–12:10	T11	732
Enrique Juste	Manufacturing of cemented tungsten carbide by hybrid machining in green state	Oral	Monday	July 10, 2017	Liszt	18:50–19:05	T01	394
Enrique Ruiz-Trejo	Quantification of degradation in infiltrated SOFC anodes	Invited	Tuesday	July 11, 2017	Liszt	8:55–9:20	T05	860
Enrique Sanchez Vilches	Suspension plasma spraying: the meeting point for ceramic processing and plasma spraying technique	Invited	Monday	July 10, 2017	Liszt	11:40–12:05	T01	834
Erkul Karacaoglu	The photoluminescent properties of rare-earth $\text{Sm}_{1.90}\text{Eu}_{0.10}\text{Zr}_2\text{O}_7$ zirconate pyrochlore	Oral	Thursday	July 13, 2017	Liszt	15:45–16:00	T05	770
Eugenio Zapata-Solvas	A study on the feasibility of $\text{Zr}_{n+1}\text{AlC}_n$ and $\text{Zr}_{n+1}\text{SiC}_n$ MAX phases for future fission environments	Oral	Thursday	July 13, 2017	Pátria	9:20–9:35	T03	218
Eung Soo Kim	Quality factor control of MgTiO_3 -based ceramics by cation substitution	Oral	Thursday	July 13, 2017	Bartók	8:55–9:10	T04	680
Fabien Bouzat	Transparent Cr:YAG ceramics: role of Cr_2O_3 and co-dopants on the reactive sintering	Oral	Tuesday	July 11, 2017	Bartók	12:50–13:05	T04	374
Falk Schulze-Küppers	Development of asymmetric dual phase composite oxygen transport membranes	Oral	Thursday	July 13, 2017	Liszt	11:00–11:15	T05	706
Fatma Batukan Belge	Social criticism in Turkish contemporary ceramic art	Invited	Tuesday	July 11, 2017	Mozart	15:30–16:00	T12	840
Federico Veronesi	Sol–gel routes in different media to obtain nanostructured, superhydrophobic coatings on copper surfaces	Oral	Wednesday	July 12, 2017	Liszt	11:50–12:05	T01	178
Fei Zhang	Dental restorative ceramics: balance between aesthetics, mechanical properties and long-term stability	Oral	Wednesday	July 12, 2017	Lehár	9:35–9:50	T06	805

Felipe Gutiérrez-Mora	Effect of graphene content on the tribological behaviour of 3YTZP reinforced with graphene nanoplatelets	Oral	Monday	July 10, 2017	Pátria	18:05–18:20	T03	564
Ferhat Kara	SiAlON based ceramics for cutting tool applications	Invited	Tuesday	July 11, 2017	Pátria	11:25–11:50	T03	837
Fidel Toldra-Reig	Ionic conductor device for selective detection of hydrocarbons on diesel exhaust gases	Oral	Thursday	July 13, 2017	Bartók	12:00–12:15	T04	943
Filiz Sahin	B ₄ C based ceramic composites prepared by spark plasma sintering	Invited	Tuesday	July 11, 2017	Brahms	14:55–15:10	T09	857
Florica Matau	A multi-analytical investigation of the Cucuteni pottery technology from Eastern Romania	Oral	Thursday	July 13, 2017	Brahms	12:10–12:25	T10	806
Florimond Delobel	Influence of HIP post-treatment on microstructure and density of silicon carbide sintered by SPS	Oral	Monday	July 10, 2017	Pátria	18:50–19:05	T03	183
Frantisek Lofaj	Tribological behavior of HiTUS W-doped hydrogenated carbon based coatings	Oral	Thursday	July 13, 2017	Mozart	12:25–12:40	T01	268
Franz Chen	Franz Collection	Invited	Tuesday	July 11, 2017	Mozart	11:00–11:40	T12	093
Franziska Schmidt	Sol-gel derived mesoporous glasses with high surface area and good bioactivity	Oral	Wednesday	July 12, 2017	Lehár	9:50–10:05	T06	798
Frederic Monteverde	Dual scale composite architectures for high temperature structural applications	Invited	Tuesday	July 11, 2017	Pátria	9:20–9:45	T03	570
Frederic Surmely	Geochemical characterization of Medieval pottery from the Auvergne region of France by portable X-ray fluorescence analysis	Oral	Thursday	July 13, 2017	Brahms	15:15–15:30	T10	016
Fumihiko Wakai	Micro-mechanical test method for searching toughening mechanisms operating at nano-scale	Invited	Monday	July 10, 2017	Pátria	14:30–14:55	T03	150

Gary Messing	Cold, flash, sparks, nano – where are sintering processes headed?	Invited	Monday	July 10, 2017	Lehár	11:15–11:40	T02	583
Geoffroy Bister	Functional refractory molds for metal casting built by additive manufacturing	Oral	Monday	July 10, 2017	Liszt	12:20–12:35	T01	105
George Stan	The prospects for bio-glass implant coatings	Invited	Thursday	July 13, 2017	Lehár	11:25–11:50	T06	080
Gerhard Seifert	Experiment-based, predictive simulation of ceramic high-temperature processes	Oral	Thursday	July 13, 2017	Brahms	9:20–9:35	T08	371
Ghatu Subhash	Ultrahigh pressure deformation and Raman spectra of boron carbide and its polymorphs	Oral	Wednesday	July 12, 2017	Brahms	8:55–9:10	T09	067
Gianmarco Taveri	The importance of using borosilicate in geopolymer incorporating waste	Oral	Tuesday	July 11, 2017	Brahms	12:20–12:35	T09	336
Gideon Grader	Porous ceramic foams and nanofibers	Invited	Monday	July 10, 2017	Liszt	14:30–14:55	T01	855
Giorgia Franchin	Additive Manufacturing with inorganic polymers: an alternative to the powder-binder approach	Invited	Wednesday	July 12, 2017	Liszt	11:25–11:50	T01	172
Giulia Franceschin	Antiferromagnetic crystal size dependence in exchange-biased nanostructured ceramics	Oral	Monday	July 10, 2017	Bartók	18:00–18:15	T04	496
Glenn C. Mather	Investigation of the BZCY72-BaPrO ₃ system for high-temperature electrochemical applications: thermal evolution of structures and electrical properties	Invited	Monday	July 10, 2017	Mozart	14:55–15:20	T05	827
Gunnar Westin	Complex thin and ultrathin films through solution synthesis	Invited	Tuesday	July 11, 2017	Bartók	8:55–9:20	T04	822
Gurdial Blugan	Performance of lightweight coated oxide ceramic composites for industrial high speed wood cutting tools: a step closer to market	Oral	Monday	July 10, 2017	Brahms	11:40–11:55	T07	565

Gurpreet Singh	Three-dimensional polymer-derived ceramic composite paper electrode for electrochemical energy storage applications	Oral	Thursday	July 13, 2017	Liszt	12:45–13:00	T05	046
Gürsoy Arslan	Effect of titanium diboride on properties of functionally graded boron carbide-titanium diboride-aluminium composites	Oral	Tuesday	July 11, 2017	Brahms	12:05–12:20	T09	058
Hamada Elsayed	Highly porous B-doped hardystonite bioceramics from preceramic polymers and engineered fillers: from foams to 3D-printed scaffolds	Oral	Monday	July 10, 2017	Liszt	15:50–16:05	T01	229
Ha-Neul Kim	Fabrication of transparent MgAl ₂ O ₄ spinel via spray freeze drying of microfluidized slurry	Oral	Tuesday	July 11, 2017	Bartók	12:05–12:20	T04	038
Hans-Joachim Kleebe	Correlation between microstructure and mechanical properties of boron suboxide B ₆ O ceramics; a TEM study	Invited	Tuesday	July 11, 2017	Brahms	11:25–11:50	T09	790
Hasan Metin Tülümen	Effects of processing and sintering conditions on density and microstructure of microinjection molded oxide CMCs	Oral	Monday	July 10, 2017	Lehár	16:05–16:20	T02	267
Henny J.M. Bouwmeester	Mixed ionic-electronic conducting membranes: fundamentals and challenges	Invited	Monday	July 10, 2017	Mozart	11:15–11:40	T05	844
Hesam Alddin Mohammadi	Non hydrophobic CNT/mesoporous carbon monolith as high energy performance flow through electrodes in CDI process	Oral	Thursday	July 13, 2017	Liszt	12:30–12:45	T05	262
Hidehiro Kamiya	Molecular design of organic ligands for functional inorganic nanoparticles dispersion in organic solvents and polymer	Invited	Wednesday	July 12, 2017	Bartók	8:55–9:20	T04	492
Hiroshi Maiwa	Electrocaloric effects and temperature distribution analysis of BaTiO ₃ -based ceramics and multi-layer capacitor	Oral	Monday	July 10, 2017	Bartók	18:45–19:00	T04	453

Holger Friedrich	High temperature characterization using novel thermo-optical measuring devices	Oral	Thursday	July 13, 2017	Brahms	9:35–9:50	T08	328
Hom Nath Luitel	Broadband spectral upconversion in CaTiO ₃ : Ni ²⁺ , Er ³⁺ for solar energy harvesting	Oral	Tuesday	July 11, 2017	Bartók	15:00–15:15	T04	074
Hong Peng	Microsilica as anti-hydration agent for basic refractory castables	Oral	Wednesday	July 12, 2017	Mozart	12:10–12:25	T11	854
Hua Tan	Effect of metal doping on heat transfer in Spark Plasma Sintering process	Oral	Monday	July 10, 2017	Lehár	18:35–18:50	T02	563
Hua-Tay Lin	Engineering design and processing of silicon nitride ceramics for industrial applications	Invited	Tuesday	July 11, 2017	Pátria	11:00–11:25	T03	309
Hyunae Cha	Size effects of BiT template on piezoelectric properties of textured BNKT ceramics by screen-printing method	Oral	Thursday	July 13, 2017	Bartók	11:45–12:00	T04	312
Hyung Goo No	Chromatic characteristics of traditional Korean copper glaze with the addition of copper oxide and sintering atmosphere	Oral	Thursday	July 13, 2017	Brahms	14:30–14:45	T10	196
I.V. Ciuchi	Field-induced metastable ferroelectric phase in PLZT ceramics	Oral	Monday	July 10, 2017	Bartók	15:50–16:05	T04	412
Ilona Jastrzębska	Hercynite as active spinel	Oral	Wednesday	July 12, 2017	Mozart	10:20–10:35	T11	665
Imane El Younsi	Rheological properties of alumina formulations based on biosourced additives for micro-extrusion application	Oral	Monday	July 10, 2017	Liszt	18:20–18:35	T01	354
Imrana I. Kabir	Effects of substrate contamination of photocatalytic TiO ₂ thin films	Oral	Thursday	July 13, 2017	Liszt	11:30–11:45	T05	303
İrem N. G. Şimşek	Microstructural design of melt infiltrated boron carbide – aluminum ceramic – metal composites via spark plasma sintering	Oral	Wednesday	July 12, 2017	Brahms	9:40–9:55	T09	470

Isabel Luísa Ferreira Machado	Archaeometry studies of Portuguese ceramics (pottery and tiles) produced in the region of Lisbon – 16 th to 17 th c.	Oral	Tuesday	July 11, 2017	Mozart	15:00–15:30	T12	134
Ivano E. Castelli	High-throughput screening of ceramic materials for light absorption	Invited	Thursday	July 13, 2017	Liszt	8:30–8:55	T05	862
Ivar E. Reimanis	Nickel oxide doped barium yttrium zirconate nanostructures	Oral	Monday	July 10, 2017	Mozart	16:20–16:35	T05	734
J.J. Bian	Dielectric and energy storage properties of Na(Nb _{1-x} Ta _x)O ₃ ceramics prepared by spark plasma sintering	Oral	Monday	July 10, 2017	Bartók	18:30–18:45	T04	483
Jacques Poirier	An improved corrosion and thermal shock resistant sintered mullite-zirconia refractory	Oral	Wednesday	July 12, 2017	Mozart	9:35–9:50	T11	073
Jakub Karczewski	Functional layers for solid oxide electrolyzers	Oral	Monday	July 10, 2017	Mozart	15:35–15:50	T05	743
Jakub Vít	Static and dynamic magnetoelectric coupling in multiferroic hexaferrites	Invited	Thursday	July 13, 2017	Bartók	8:30–8:55	T04	833
Jan Dusza	Nano-mechanical testing of advanced ceramics	Invited	Monday	July 10, 2017	Pátria	14:55–15:20	T03	034
Jan Hostaša	Investigation of silicon content and distribution in YAG ceramics during the production process	Oral	Wednesday	July 12, 2017	Bartók	9:20–9:35	T04	232
Janusz Partyka	The effect of addition of alkali metals oxide on selected parameters of the ceramic glazes	Oral	Monday	July 10, 2017	Brahms	15:35–15:50	T07	615
Jean-Marc Tulliani	New ZnO-based glass ceramic sensor for H ₂ and NO ₂ detection	Oral	Thursday	July 13, 2017	Bartók	12:15–12:30	T04	817
Jens Q. Adolphsen	Development of porous electrodes with tailored microstructure for high temperature and pressure alkaline electrolysis cells (HTP-AEC)	Oral	Thursday	July 13, 2017	Liszt	9:50–10:05	T05	574
Jérémy Marie	Ecofriendly alumina suspensions for tape casting process	Oral	Monday	July 10, 2017	Liszt	12:05–12:20	T01	167

Jerome Chevalier	Mechanical behavior of zirconia-based composites with transformation-induced plasticity	Invited	Tuesday	July 11, 2017	Pátria	14:55–15:20	T03	731
Jerome Chevalier	Resorption of calcium phosphate materials: considerations on the <i>in vitro</i> evaluation	Invited	Wednesday	July 12, 2017	Lehár	8:30–8:55	T06	733
Ji Zou	Thermoablative resistance of ZrB ₂ -SiC-WC ceramics at 2400 °C	Invited	Tuesday	July 11, 2017	Brahms	14:30–14:55	T09	668
Jianping Wei	Characterization of solid oxide fuel cell sealants and anodes	Oral	Tuesday	July 11, 2017	Liszt	12:35–12:50	T05	712
Jie Zhang	Design and characterization of substoichiometric zirconium carbides for Gen-IV Very High Temperature Reactors (VHTRs)	Oral	Wednesday	July 12, 2017	Pátria	10:05–10:20	T03	158
Jiemin Wang	Theoretical modeling the magnetic properties of (Cr _{2/3} M _{1/3}) ₃ AX ₂ (M = Ti, V, A = Al, Si, P, S, Ge, Ga, X = C, N) tailored by chemical compositions	Oral	Wednesday	July 12, 2017	Brahms	12:15–12:30	T08	447
Jimmy Xu	Bioceramic with self-powered fluidic delivery and lubrication	Oral	Thursday	July 13, 2017	Lehár	9:50–10:05	T06	294
Jingyang Wang	Thermal insulation ceramics initiative: from crystal structure modification to morphology design	Invited	Wednesday	July 12, 2017	Pátria	8:55–9:20	T03	117
Joachim R. Binder	Integration of screen-printed tunable BST thick films in LTCC modules for microwave applications	Oral	Tuesday	July 11, 2017	Bartók	9:20–9:35	T04	544
Johanna E.M. Schmidt	Additive manufacturing of ceramics from preceramic polymers: from nanometers to centimeters	Oral	Wednesday	July 12, 2017	Liszt	12:20–12:35	T01	361
Johannes Homa	Additive manufacturing of monolithic catalysts	Oral	Thursday	July 13, 2017	Mozart	15:00–15:15	T01	186

John T. Tynan	A portrait of the ceramicist as a young man: a reconsideration of a new way of promoting ceramics education, with a roadmap for developing a centre of excellence in ceramics	Invited	Tuesday	July 11, 2017	Mozart	12:20–13:05	T12	707
Jolien Van Pevenage	Combined spectroscopic analysis to study ceramics	Oral	Thursday	July 13, 2017	Brahms	12:25–12:40	T10	622
Jon Binner	Progress in manufacturing ultra-high temperature ceramic matrix composites (UHTCMCs)	Invited	Tuesday	July 11, 2017	Pátria	8:30–8:55	T03	379
Jon Echeberria	Development of porous SiC using the sacrificial template technique for nuclear fusion applications	Oral	Thursday	July 13, 2017	Liszt	11:15–11:30	T05	606
Jonas Gorauskis	Processing of porous ceramic structures for efficient mass transport	Invited	Monday	July 10, 2017	Liszt	17:00–17:25	T01	843
José Maria Ferreira	Engineering bioactive glasses with well-balanced overall properties	Invited	Thursday	July 13, 2017	Lehár	8:55–9:20	T06	370
José Maria Ferreira	Influence of specific interactions between processing additives and the surface of oxide particles on Epoxy Gel Casting	Oral	Monday	July 10, 2017	Liszt	16:20–16:35	T01	620
Jörg Lüchtenborg	Additive manufacturing of silicon nitride with Laser Induced Slip Casting (LIS)	Oral	Monday	July 10, 2017	Liszt	15:20–15:35	T01	543
Jörg Töpfer	Synthesis and properties of lead-free BNBT-based PTCR thermistor ceramics	Oral	Monday	July 10, 2017	Bartók	17:15–17:30	T04	577
Julia Sarthou	Experimental and theoretical study of Yb:CAF ₂ transparent ceramics thermal properties	Oral	Wednesday	July 12, 2017	Bartók	10:05–10:20	T04	393
Julio Garcia-Fayos	OTM performance optimization for oxyfuel applications by catalytic layer functionalization	Oral	Tuesday	July 11, 2017	Liszt	10:20–10:35	T05	944

Junichi Hojo	Development of translucent silicon nitride ceramics by SPS process with various additives	Oral	Tuesday	July 11, 2017	Lehár	9:35–9:50	T02	201
Junichi Tatami	Local mechanical properties of advanced structural ceramics measured using microcantilever beam specimens	Invited	Monday	July 10, 2017	Pátria	15:20–15:45	T03	286
Kagan Benzesik	Production of IV-B group boride composite ceramics via SHS	Oral	Tuesday	July 11, 2017	Brahms	9:35–9:50	T09	207
Karel Maca	Theoretical and experimental study of the transition from open to closed porosity sintering stage	Oral	Monday	July 10, 2017	Lehár	12:05–12:20	T02	799
Karolina E. Kozak	Investigation of the mechanical behavior of MAX phases by acoustic emission technique	Oral	Tuesday	July 11, 2017	Pátria	16:35–16:50	T03	096
Katarzyna Pasiut	The structure of raw porcelain glazes modified by the zirconium oxide addition	Oral	Monday	July 10, 2017	Brahms	11:55–12:10	T07	642
Kathleen O'Connell	The potential of high borate glasses for transarterial embolization	Oral	Wednesday	July 12, 2017	Lehár	12:35–12:50	T06	449
Katja Waetzig	Increased Li ion conductivity of LATP ceramics by optimized powder processing	Oral	Monday	July 10, 2017	Mozart	18:35–18:50	T05	398
Katrin Schönfeld	Development of environmental barrier coatings for SiC/SiC ceramic matrix composites	Oral	Wednesday	July 12, 2017	Pátria	11:25–11:50	T03	110
Katsuya Teshima	Full picture discovery for flux-grown crystals and interface designs on next-generation all-solid-state LIB	Invited	Monday	July 10, 2017	Mozart	17:25–17:50	T05	044
Kiyoshi Hirao	Temperature dependence of thermal properties for high thermal conductive silicon nitride ceramics	Invited	Monday	July 10, 2017	Pátria	17:25–17:50	T03	209
Koen Evers	Bio-inspired CNT reinforced ceramic composite materials	Oral	Tuesday	July 11, 2017	Pátria	15:35–15:50	T03	696

Koji Morita	Fabrication of transparent MgAl ₂ O ₄ spinel using spark-plasma-sintering (SPS) technique by suppressing discoloration	Oral	Thursday	July 13, 2017	Mozart	11:40–11:55	T01	705
Ksenia Kamyshnaya	Porous ceramic by crystallization of combustible additive method	Oral	Monday	July 10, 2017	Liszt	15:35–15:50	T01	318
Kwang Ho Kim	Design-synthesis-evaluation of hard coatings for industrial applications	Oral	Tuesday	July 11, 2017	Brahms	15:55–16:10	T09	982
Laure Guironnet	La _{0.5} Sr _{0.5} Fe _{0.7} Ga _{0.3} O _{3-δ} perovskite membrane produced by electrophoretic deposition process	Oral	Monday	July 10, 2017	Mozart	12:05–12:20	T05	231
Laurent Boilet	Micro-patterning of calcium phosphate bioceramics with femtosecond laser	Oral	Thursday	July 13, 2017	Lehár	12:45–13:00	T06	188
Laurent Brissonneau	Joining steel to yttria doped hafnia with a reactive brazing for a potentiometric oxygen sensor in sodium	Oral	Thursday	July 13, 2017	Mozart	9:45–10:00	T02	359
Lavinia-Petronela Curecheriu	Effect of porosity on the dielectric, switching and DC-tunability properties of BaTiO ₃ ceramics	Oral	Monday	July 10, 2017	Bartók	16:20–16:35	T04	339
Le Fu	Translucent zirconia-silica glass ceramic for dental restoration: structure related mechanical strength	Oral	Thursday	July 13, 2017	Lehár	12:30–12:45	T06	189
Leandro S.R. Rocha	NOVEL GAS SENSOR WITH DUAL RESPONSE UNDER CO(g) EXPOSURE: OPTICAL AND ELECTRICAL STIMULI	Oral	Wednesday	July 12, 2017	Bartók	12:35–12:50	T04	126
Leontin D. Padurariu	Local field engineering for tailoring electrical properties in ferroelectric-based composites	Invited	Monday	July 10, 2017	Bartók	14:55–15:20	T04	842
Lianjun Wang	Fabrication of silica glass from mesoporous powder by SPS	Oral	Monday	July 10, 2017	Liszt	12:50–13:05	T01	056
Lidia Rossi	Thermal coarsening of metal-on-oxide nanowire thin films	Oral	Wednesday	July 12, 2017	Bartók	12:50–13:05	T04	633

Lilia Qassym	New dielectric material for co-sintering with LTCC microwave garnet	Oral	Wednesday	July 12, 2017	Bartók	11:50–12:05	T04	409
Ljiljana Damjanović	Characterization of the Medieval pottery from the Studenica Monastery, Serbia, a UNESCO World Heritage Site	Invited	Thursday	July 13, 2017	Brahms	11:25–11:40	T10	215
Lovro Fulanović	Electrocaloric stability of relaxor multilayer elements	Oral	Tuesday	July 11, 2017	Bartók	15:30–15:45	T04	411
Lu Bowen	Sintering resistance of advanced plasma-sprayed thermal barrier coatings with vertical cracks and columnar structures	Oral	Thursday	July 13, 2017	Pátria	12:10–12:25	T03	182
Lu Song	Laser melting initiated deeper structural heterogeneity in oxide ceramics	Oral	Thursday	July 13, 2017	Mozart	12:10–12:25	T01	720
Ľuboš Bača	Additive manufacturing of Ti-B ₄ C composites by 4M technology	Oral	Monday	July 10, 2017	Liszt	17:50–18:05	T01	108
Luca Zoli	Borothermal reduction of group IV and V metal oxide with NaBH ₄ : synthesis and characterization of metal diboride nanocrystals	Oral	Thursday	July 13, 2017	Mozart	15:45–16:00	T01	526
Luchao Sun	Microstructures and properties of bulk Al ₂ O ₃ /Y ₃ Al ₅ O ₁₂ eutectic ceramics prepared by different methods	Oral	Wednesday	July 12, 2017	Pátria	10:20–10:35	T03	701
Lucilla Fabrizi	Preliminary results on polished surface of Phoenician red slip ware	Oral	Thursday	July 13, 2017	Brahms	11:55–12:10	T10	256
M. Seref Sonmez	Vanadium oxide production by solution combustion synthesis	Oral	Thursday	July 13, 2017	Bartók	15:00–15:15	T04	375
Manshi Ohyanagi	Spark plasma sintering of silicon nitride with the crystallization and phase transformation in the absence of sintering additive	Oral	Monday	July 10, 2017	Lehár	18:20–18:35	T02	737

Manuel Belmonte	Spark plasma sintering technique: a powerful research tool for developing new ceramic materials	Invited	Tuesday	July 11, 2017	Lehár	8:30–8:55	T02	271
Manuel Belmonte	Toughened, wear resistant and damage tolerant silicon carbide ceramics by adding graphene-based fillers	Invited	Monday	July 10, 2017	Pátria	12:05–12:30	T03	512
Marc J. Anglada Gomila	Mechanical properties of mixtures of 12Ce-ZrO ₂ and 3Y-ZrO ₂ and atom probe tomography of solute distribution	Oral	Tuesday	July 11, 2017	Pátria	15:20–15:35	T03	700
Marco Deluca	Compositional tuning of Ba-based ferroelectrics and relaxors	Invited	Tuesday	July 11, 2017	Bartók	11:25–11:50	T04	205
Marek Grandys	Differences in mullite crystal growth in triaxial ceramics containing K- and/or Na- feldspar	Oral	Monday	July 10, 2017	Brahms	17:40–17:55	T07	616
Maria Binner	Photopolymerization to prepare polymeric-ceramic composites for bone regeneration	Oral	Wednesday	July 12, 2017	Lehár	11:50–12:05	T06	791
Maria Joanna Juchnowska	Future lights – addressing the upcoming generation of ceramics and design	Invited	Tuesday	July 11, 2017	Mozart	10:10–10:35	T12	401
Marian Palcut	Oxidation behavior of iron boride coatings	Oral	Tuesday	July 11, 2017	Brahms	15:10–15:25	T09	006
Mariana Munoz	Ceramic powder synthesis by spray pyrolysis: aerosol formation and evolution	Oral	Monday	July 10, 2017	Liszt	16:05–16:20	T01	124
Mariarosa Raimondo	Industrial materials: the challenges for smart coatings	Invited	Monday	July 10, 2017	Brahms	14:55–15:20	T07	858
Marie-Claude Bay	Deciphering the influence of microstructure and crystal structure on the temperature dependent ion conductivity of Sodium-β''-alumina	Oral	Monday	July 10, 2017	Mozart	17:50–18:05	T05	541

Marina Aghayan	The template-assisted wet-combustion synthesis of fibrous nickel-based catalyst for carbon dioxide methanation and methane steam reforming	Oral	Monday	July 10, 2017	Mozart	15:50–16:05	T05	511
Marina Ruggles-Wrenn	Fatigue of three advanced SiC/SiC ceramic matrix composites at 1200 °C in air and in steam*	Oral	Monday	July 10, 2017	Pátria	18:20–18:35	T03	290
Mario Borlaf	Flame spray synthesis of YAG:Ce nanoparticles	Oral	Monday	July 10, 2017	Liszt	12:35–12:50	T01	059
Marion Höfling	Modification of a-site stoichiometry in Na _y Bi _x TiO ₃ -BaTiO ₃ (NBT-BT)-based capacitor materials	Oral	Tuesday	July 11, 2017	Bartók	12:20–12:35	T04	277
Martijn van Griensven	Natural bioglasses for bone engineering	Invited	Thursday	July 13, 2017	Lehár	11:00–11:25	T06	950
Martin Kachlik	Processing of single phase EuTiO ₃ bulk ceramics – the effect of processing conditions	Oral	Thursday	July 13, 2017	Mozart	8:45–9:00	T02	784
Martin Roeb	Processes and materials for solar thermochemical production of fuels and chemical commodities	Invited	Tuesday	July 11, 2017	Liszt	11:00–11:25	T05	830
Masahiro Yoshimura	Importance of soft processing (= low-energy production) of advanced ceramic materials for sustainable society	Invited	Wednesday	July 12, 2017	Brahms	11:25–11:50	T08	886
Masami Ando	Development of ceramic parts for semiconductor manufacturing equipment using additive manufacturing	Invited	Monday	July 10, 2017	Liszt	11:15–11:40	T01	242
Mateusz Tarach	Terbium-doped perovskite-related proton conductors	Oral	Thursday	July 13, 2017	Liszt	15:15–15:30	T05	930
Mathias Herrmann	Diamond reinforced ceramic materials: potential wear resistant components	Invited	Monday	July 10, 2017	Pátria	17:00–17:25	T03	417
Matteo Frasnelli	Flash sintering of TCP	Oral	Thursday	July 13, 2017	Lehár	15:15–15:30	T06	415

Matthew T. Porter	Optimisation of impregnated SiC _f /SiC preforms for microwave chemical vapour infiltration	Oral	Monday	July 10, 2017	Lehár	15:20–15:35	T02	626
Mattia Biesuz	Flash sintering of alumina	Oral	Monday	July 10, 2017	Lehár	12:50–13:05	T02	547
Maura C. Kelleher	The effect of vibratory milling on the electrical properties of zinc oxide varistors	Oral	Tuesday	July 11, 2017	Bartók	15:45–16:00	T04	613
Maxim Sokol	Inverse hall-petch relation in nanostructured oxide ceramics fabricated by high-pressure SPS	Oral	Thursday	July 13, 2017	Mozart	8:30–8:45	T02	644
Mehmet Buğdaycı	SHS of TiB ₂ -B ₄ C powder mixtures	Oral	Tuesday	July 11, 2017	Brahms	10:05–10:20	T09	202
Melike Mercan Yildizhan	Fingerprinting compounds in Li ₂ O-TiO ₂ phase diagram with electron energy loss spectroscopy	Oral	Thursday	July 13, 2017	Liszt	9:35–9:50	T05	527
Meltem Ipekci	Improvement of enamel coatings used as food contact materials in industrial applications	Oral	Monday	July 10, 2017	Brahms	15:20–15:35	T07	698
Michael Kracker	Preparation of zero thermal expansion ceramics by sol-gel and hot pressing	Oral	Tuesday	July 11, 2017	Lehár	9:20–9:35	T02	335
Michael Stelter	Low cost Sodium batteries based on ceramic materials – an old idea revisited	Invited	Monday	July 10, 2017	Mozart	17:00–17:25	T05	954
Michele Bianchi	Osteogenic differentiation of human dental pulp stem cells on bone-apatite like coatings obtained by Pulsed Electron Deposition	Oral	Thursday	July 13, 2017	Lehár	10:20–10:35	T06	338
Michitaka Ohtaki	Nanostructure engineering in oxide ceramics for high-temperature thermoelectric energy conversion	Invited	Monday	July 10, 2017	Mozart	14:30–14:55	T05	859
Mieke W.J. Luiten-Olieman	Silica membranes for selective separation of small gasses under hydrothermal conditions	Oral	Thursday	July 13, 2017	Pátria	11:55–12:10	T03	347

Miguel A. Laguna-Bercero	Improvement of solid oxide fuel cell performance by tailoring the electrolyte-electrode interface using laser micro patterning	Oral	Tuesday	July 11, 2017	Liszt	12:10–12:35	T05	782
Monika Furko	Development and characterization of multi-element doped hydroxyapatite coatings for orthopaedic applications	Oral	Thursday	July 13, 2017	Lehár	12:15–12:30	T06	206
Monika Müller	Future lights – addressing the upcoming generation of ceramics and design	Invited	Tuesday	July 11, 2017	Mozart	9:50–10:10	T12	401
Moritz Weiss	Tuning ceramic microstructures using capillary suspensions with incorporated nanoparticles	Oral	Tuesday	July 11, 2017	Pátria	15:50–16:05	T03	515
Mufit Akinc	Processing and oxidation behavior of ZrB ₂ -SiC-AlN composites	Oral	Wednesday	July 12, 2017	Pátria	12:35–12:50	T03	043
Muhammad Zubair Khan	Long-term degradation study of anode supported flat-tubular solid oxide fuel cells	Oral	Tuesday	July 11, 2017	Liszt	9:35–9:50	T05	075
Musa M. Can	The magnetic formation in oxide semiconductors under influence of native defects and impurity atoms concentration	Oral	Monday	July 10, 2017	Bartók	15:20–15:35	T04	264
Mustafa Baysal	Novel catalytic synthesis of boron nitride nanotubes at low temperatures	Oral	Tuesday	July 11, 2017	Brahms	10:20–10:35	T09	534
Mutlu Başkaya	Self-portrait of a ceramic artist who combines Asia's East and West	Invited	Tuesday	July 11, 2017	Mozart	17:00–17:30	T12	929
Naoki Ohashi	Chemothermal pulverization of perovskite-type titanates	Oral	Monday	July 10, 2017	Bartók	18:15–18:30	T04	514
Nasrin Al Nasiri	Environmental barrier coatings (EBC) for silicon-based ceramic composites	Oral	Tuesday	July 11, 2017	Pátria	12:35–12:50	T03	018
Nermin Demirkol	Influence of chamotte addition on the physical and mechanical properties of red mud bodies	Oral	Tuesday	July 11, 2017	Mozart	18:00–18:15	T12	089

Nicholas C. Bristowe	Design principles for perovskite photoferroics	Invited	Thursday	July 13, 2017	Liszt	8:55–9:20	T05	899
Nicolas Clavier	<i>In situ</i> HT-ESEM observation of sintering first stage of MO ₂ (M = Ce, Th, U) microspheres	Oral	Thursday	July 13, 2017	Brahms	9:50–10:05	T08	019
Nicolas Pradeilles	Influence of the chemical composition on the mechanical properties of spark plasma sintered boron carbide ceramics	Oral	Wednesday	July 12, 2017	Brahms	10:10–10:25	T09	894
Nicolas Preux	High temperature mechanical characterisation of <i>in situ</i> forming spinel-alumina castables, using magnesia or magnesite as raw materials	Oral	Wednesday	July 12, 2017	Mozart	9:20–9:35	T11	033
Nikola Kanas	Development of all-oxide thermoelectric stacking device	Oral	Monday	July 10, 2017	Mozart	18:50–19:05	T05	669
Nikola Tasić	Nanosized titania particles for application in photocatalysis	Oral	Thursday	July 13, 2017	Bartók	15:15–15:30	T04	432
Nikolas Grünwald	Microstructural and phase evolution of atmospheric plasma sprayed manganese cobalt iron oxide protection layers in solid oxide fuel cells	Oral	Tuesday	July 11, 2017	Liszt	11:40–11:55	T05	069
Norbert K. Schneider	Bone in-growth: the next step in ceramic orthopedic implants	Invited	Thursday	July 13, 2017	Lehár	11:50–12:15	T06	884
Nuno Vitorino	Emulsion detonation synthesis (EDS) as an alternative route for YSZ outstanding based materials	Oral	Tuesday	July 11, 2017	Lehár	15:55–16:10	T02	800
Oleg Khasanov	Modification of B ₄ C ceramics surface by the intense electron beam and ion plasma sputtering	Oral	Tuesday	July 11, 2017	Brahms	15:40–15:55	T09	457
Oleksandr Tkach	Giant dielectric permittivity and high tunability in Y-doped SrTiO ₃ ceramics tailored by sintering atmosphere	Oral	Monday	July 10, 2017	Bartók	12:20–12:35	T04	039

Olga A. Shilova	Synthesis and study of multiferroic – powders with structure ‘core-shell’ as a fillers for composite materials for electronics and photonics	Oral	Monday	July 10, 2017	Bartók	12:35–12:50	T04	020
Olga Yu Kurapova	The investigation of zirconia based precursors and ceramics via thermodynamic approaches	Oral	Thursday	July 13, 2017	Pátria	10:05–10:20	T03	098
Ondrej Hanzel	Anisotropy of properties of silicon carbide – graphene composites	Oral	Wednesday	July 12, 2017	Pátria	9:20–9:35	T03	416
Ondrej Jankovsky	Phase equilibria modelling in Bi-Sr-Co-O system involving phases with variable oxygen stoichiometry	Oral	Thursday	July 13, 2017	Liszt	9:20–9:35	T05	053
Onuralp Yucel	Effect of functional additive on the SHS of TiB ₂	Oral	Tuesday	July 11, 2017	Brahms	9:20–9:35	T09	222
Ousseïni Marou Alzouma	Influence of different external lubricants and their deposition mode on nuclear fuel green pellets during cold compaction	Oral	Thursday	July 13, 2017	Mozart	14:30–14:45	T01	095
Paola Palmero	Design and processing of novel biomedical-grade nanocomposite ceramics: tailoring composition, microstructure and properties	Invited	Thursday	July 13, 2017	Lehár	8:30–8:55	T06	826
Pascal Marchet	New lead-free perovskite compounds with (A _{1/2} Bi _{1/2})(Mg _{1/3} Nb _{2/3})O ₃ formula (A = Na,K)	Oral	Tuesday	July 11, 2017	Bartók	15:15–15:30	T04	687
Patricia Rabelo Monich	Glass-ceramic foams from ‘inorganic gel casting’ and sinter-crystallization of waste glass mixtures	Oral	Monday	July 10, 2017	Brahms	18:40–18:55	T07	356
Pavel V. Evdokimov	Osteoconductive ceramics of complex geometry fabricated by stereolithography	Oral	Thursday	July 13, 2017	Mozart	15:30–15:45	T01	637
Pavlo P. Barvitskiy	Sintering and properties of AlB ₁₂ C ₂ – based materials	Oral	Wednesday	July 12, 2017	Brahms	9:25–9:40	T09	369

Pavol Hvizdos	Wear damage and fracture of SiC based composites with graphene and carbon nanotubes	Oral	Wednesday	July 12, 2017	Pátria	12:20–12:35	T03	120
Pavol Sajgalik	Electrically conductive ceramics – processing and properties	Invited	Wednesday	July 12, 2017	Pátria	8:30–8:55	T03	819
Pawel Stoch	Structure and magnetoelectric properties of 0.5BiFeO ₃ – 0.5Pb(Fe _{0.5} Nb _{0.5})O ₃ solid solution	Oral	Tuesday	July 11, 2017	Bartók	9:35–9:50	T04	724
Pedro M. Faia	Structural and electrical characterisation of composite humidity fibre sensors prepared by electrospinning	Oral	Wednesday	July 12, 2017	Bartók	12:20–12:35	T04	054
Peter Supancic	Electrical properties of ZnO varistors – inhomogeneities and anisotropic effects on the macroscopic and microscopic scale	Oral	Thursday	July 13, 2017	Bartók	14:45–15:00	T04	987
Peter Tatarko	Flash joining of CVD-SiC coated ceramic matrix composites	Oral	Tuesday	July 11, 2017	Lehár	15:10–15:25	T02	661
Peter Vang Hendriksen	Prospects and challenges of solid oxide electrolysis	Invited	Tuesday	July 11, 2017	Liszt	8:30–8:55	T05	861
Peyman Khajavi	Mechanical properties of porous Ni(O)-YSZ solid oxide cell supports with varying Y-content	Oral	Thursday	July 13, 2017	Liszt	15:00–15:15	T05	392
Philippe Aubry	Mechanical reinforcement of traditional ceramics by incorporating glass-fibres	Oral	Monday	July 10, 2017	Brahms	17:55–18:10	T07	584
Philippe Colombar	Non-invasive on-site analysis of enamelled pottery, glass and metal. State of the art	Invited	Thursday	July 13, 2017	Brahms	11:40–11:55	T10	028
Philippe Colombar	The proton in nominally anhydrous oxides: content, nature and dynamics	Oral	Tuesday	July 11, 2017	Liszt	11:25–11:40	T05	029
Philippe Sciau	Transmission electron microscopy: emerging investigations for cultural heritage materials	Invited	Thursday	July 13, 2017	Brahms	11:00–11:25	T10	081

Pinar Güzelgün	Usage of sugar beet pulp ash in stoneware body as a raw material in ceramic art	Oral	Tuesday	July 11, 2017	Mozart	17:45–18:00	T12	100
Pius Otimeyin	The significance of Okpella granite in ceramic glaze formulae	Oral	Monday	July 10, 2017	Brahms	17:25–17:40	T07	718
Piyi Du	The formation and high EM wave absorption properties of doped barrium ferrite over millimeter frequency range	Oral	Monday	July 10, 2017	Bartók	17:45–18:00	T04	165
Pooya Torab-Ahmadi	Study of effective parameters on crystallization behaviour in the erbium-doped SiO ₂ -Al ₂ O ₃ -PbF ₂ glass ceramic system for Ir-Vis upconversion applications	Oral	Thursday	July 13, 2017	Lehár	15:45–16:00	T06	410
Rachman Chaim	Invasive percolation model for flash sintering of ceramic powders densified by liquid film capillary	Oral	Monday	July 10, 2017	Lehár	12:20–12:35	T02	176
Rafael Cabezas-Rodriguez	Chemical interaction of CMAS with yttrium silicate environmental barrier coatings materials in combustion environments	Oral	Thursday	July 13, 2017	Pátria	14:45–15:00	T03	482
Rafael Oliveira Silva	Preparation and mechanical properties of SrTi _{1-x} Fe _x O _{3-δ} (x = 0.25, 0.35, 0.5) for oxygen transport membranes	Oral	Monday	July 10, 2017	Mozart	12:35–12:50	T05	068
Raja Muhammad Awais Khan	Spark plasma sintered single phase Ca-α-SiAlON ceramic utilizing nano-sized precursors at lower temperatures	Oral	Tuesday	July 11, 2017	Lehár	16:10–16:20	T02	184
Rajendra K. Bordia	Anisotropic hierarchical porosity ceramic electrodes for high performance Li-ion batteries	Invited	Monday	July 10, 2017	Liszt	17:25–17:50	T01	666
Rajendra K. Bordia	SiC based materials for next generation nuclear power plants	Oral	Tuesday	July 11, 2017	Pátria	11:50–12:05	T03	802
Réda Berkouch	Strong junctions of Alumina to TZM alloy obtained by coupling oxidation of the alloy and diffusion bonding	Oral	Tuesday	July 11, 2017	Lehár	9:50–10:05	T02	070

Rémy UI	Internal field in asymmetric P–E curves of BaTiO ₃ :Co piezo ceramics by defect dipoles orientation	Oral	Thursday	July 13, 2017	Bartók	9:55–10:10	T04	386
Rhiannon Ewing-James	Future lights – addressing the upcoming generation of ceramics and design	Invited	Tuesday	July 11, 2017	Mozart	9:30–9:50	T12	401
Ricardo H.R. Castro	Sintering of ultra-fine nanocrystalline ceramics and how to avoid their growth	Invited	Tuesday	July 11, 2017	Lehár	11:00–11:25	T02	856
Richard Todd	Ultra-fast firing: the role of heating rate in flash sintering	Oral	Monday	July 10, 2017	Lehár	17:50–18:05	T02	503
Robert Danzer	On the fracture toughness testing of ceramics	Oral	Monday	July 10, 2017	Pátria	15:45–16:00	T03	722
Robert Klement	Photoluminescence of Eu ³⁺ /Eu ²⁺ doped glass microspheres in the system Y ₂ O ₃ -Al ₂ O ₃ with eutectic composition	Oral	Wednesday	July 12, 2017	Bartók	9:50–10:05	T04	446
Roberto Soldati	Powder rheology and compaction behavior of spray dried bodies for porcelain stoneware slabs	Oral	Monday	July 10, 2017	Brahms	12:10–12:25	T07	163
Roberto Soldati	Exploring waste-based body formulations for porcelain stoneware tiles produced at lower sintering temperatures	Oral	Monday	July 10, 2017	Brahms	12:25–12:40	T07	901
Romain Trihan	Cancer diagnosis & therapy using functionalized inkjet-printed mesoporous silica microdots	Oral	Wednesday	July 12, 2017	Lehár	12:05–12:20	T06	670
Rong Tu	Preparation of B ₄ C-HfB ₂ -SiC eutectic composite by arc melting	Oral	Tuesday	July 11, 2017	Brahms	11:50–12:05	T09	195
Rosa I. Merino	Recent findings on the selective thermal emission of Al ₂ O ₃ -YAG:eR solidified eutectics	Oral	Tuesday	July 11, 2017	Liszt	15:25–15:40	T05	645
Rosa Moronta Perez	High permittivity BaTiO ₃ ceramics prepared by SPS	Oral	Tuesday	July 11, 2017	Bartók	11:50–12:05	T04	274

Rosalía Poyato	Graphene nanoplatelet/3 mol% yttria doped zirconia composites with high electrical conductivity	Oral	Monday	July 10, 2017	Pátria	19:05–19:20	T03	549
S. Samet Kaplan	Hexagonal tungsten trioxide produced by novel solution combustion method	Oral	Wednesday	July 12, 2017	Bartók	13:05–13:20	T04	382
S. Suasmoro	Local distortion determination of the $(1-x)(K_{0.5}Na_{0.5})NbO_3-x(Ba_{0.8}Sr_{0.2})TiO_3$ system and their influence on the electrical properties	Oral	Thursday	July 13, 2017	Bartók	11:00–11:15	T04	116
Samantha Bourrioux	ZnFe ₂ O ₄ /C nanoparticles by laser pyrolysis: new anode material for lithium-ion batteries	Oral	Thursday	July 13, 2017	Liszt	14:45–15:00	T05	198
Sang Whan Park	Mechanical and electrical properties of liquid phase sintered porous SiC using Al ₂ O ₃ -Y ₂ O ₃ -SiO ₂ as sintering additives	Oral	Wednesday	July 12, 2017	Pátria	9:50–10:05	T03	160
Sathya Prakash Singh	Thermoelectric properties of $(La_{0.12}Sr_{0.88})_{0.95}TiO_{3-\delta}$ between 100 and 900 °C at reducing conditions	Oral	Tuesday	July 11, 2017	Liszt	15:40–15:55	T05	651
Sebastian Steiner	Defect chemistry and conductivity mechanisms in B-site acceptor doped and A-site non-stoichiometric Na _{0.5} Bi _{0.5} TiO ₃	Oral	Monday	July 10, 2017	Bartók	15:35–15:50	T04	537
Sedat Alkoy	Textured PMN-PZT piezoelectric ceramics for high power applications	Oral	Tuesday	July 11, 2017	Bartók	16:00–16:15	T04	560
Selom K.D. Kaligora	Identification of mechanical properties of perovskite membranes of type La _(1-x) Sr _(x) Fe _(1-y) Ga _(y) O _(3-δ) versus temperature and oxygen partial pressure by inverse method	Oral	Thursday	July 13, 2017	Brahms	10:05–10:20	T08	610
Selvin Yeşilay	The color effect of magnetite and chromite in ceramic stoneware glazes	Oral	Tuesday	July 11, 2017	Mozart	17:30–17:45	T12	246
Semra Kurama	Influence of Composition on Optical Properties of Y-α-SiAlONs	Oral	Tuesday	July 11, 2017	Pátria	12:50–13:05	T03	065

Serdar Ozbayraktar	PCBN – supermaterial for abrasive and non-abrasive applications	Invited	Tuesday	July 11, 2017	Brahms	8:55–9:20	T09	419
Séverin Chaigne	Study of the shaping and sintering ability of lanthanide oxide powders	Oral	Thursday	July 13, 2017	Mozart	9:00–9:15	T02	569
Seyed Amir Ghaffari	Densification and mechanical behavior of spark plasma sintered $Ta_{0.8}Hf_{0.2-x}Zr_xC$ ($x = 0-0.2$)	Oral	Thursday	July 13, 2017	Mozart	10:00–10:15	T02	021
Shahab Khamenehasl	Flexible micro supercapacitor based on laser scribed graphene (LSG)	Oral	Thursday	July 13, 2017	Bartók	14:30–14:45	T04	191
Shalima Shawuti	Electrochemical investigation on nano-composite oxide for fuel cells	Oral	Tuesday	July 11, 2017	Liszt	15:10–15:25	T05	250
Shao-Ju Shih	Surface modification of starting powder for multifunctional transparent titanate ceramics	Oral	Wednesday	July 12, 2017	Bartók	10:20–10:35	T04	306
Shiqi Zhang	Conversion of MAX phase single crystals in highly porous carbides by high temperature chlorination	Oral	Tuesday	July 11, 2017	Lehár	15:40–15:55	T02	236
Siamak Eqtesadi	Spark plasma sintering of 13-93 bioglass composites reinforced with <i>in situ</i> reduced graphene oxide	Oral	Thursday	July 13, 2017	Lehár	14:30–14:45	T06	239
Sido Sinnema	Applied research on and application of refractory materials in an industrial environment	Invited	Wednesday	July 12, 2017	Mozart	11:00–11:25	T11	868
Silke Hildegard Christiansen	3D nanoarchitectures for energy energy conversion – enhanced functionality through correlative microscopy	Invited	Tuesday	July 11, 2017	Bartók	8:30–8:55	T04	893
Silvia Barbi	Chemical strengthening of industrial glazes suitable for ceramic tile	Oral	Monday	July 10, 2017	Brahms	16:05–16:20	T07	009
Simge Çınar	Hydration layer: a potential key to manage colloidal processing of oxide nanopowder suspensions	Oral	Thursday	July 13, 2017	Mozart	16:00–16:15	T01	956

Sinem Baskut	Anisotropic mechanical, thermal and electrical properties of SPSeD aluminum nitride-graphene platelets composites	Oral	Wednesday	July 12, 2017	Pátria	9:35–9:50	T03	746
Sophia B. Betzler	<i>In situ</i> observation of the heat-induced phase transformation of 3D hierarchical niobium oxide nanostructures with atomic resolution	Invited	Wednesday	July 12, 2017	Brahms	11:50–12:15	T08	676
Sophie Bresch	Pressure assisted sintering of tape casted calcium cobaltite	Oral	Thursday	July 13, 2017	Liszt	15:30–15:45	T05	473
Sophie Cailliet	Synthesis of Ce-TZP – Al ₂ O ₃ for dental applications – shaping by stereolithography	Oral	Thursday	July 13, 2017	Mozart	14:45–15:00	T01	125
Soshu Kiriara	Stereolithographic additive manufacturing of ceramic structures	Invited	Tuesday	July 11, 2017	Liszt	14:30–14:55	T05	200
Souad Ammar	All inorganic granular extrinsic multiferroics: from nanomaterial engineering to magnetoelectric coupling	Invited	Monday	July 10, 2017	Bartók	11:40–12:05	T04	658
Štefan Csáki	Influence of oil shale ash addition on thermophysical processes in an illitic clay during heating	Oral	Monday	July 10, 2017	Brahms	18:10–18:25	T07	502
Sudipta Seal	Tuning nanoceramics for angiogenesis and its potential in cancer therapy	Invited	Wednesday	July 12, 2017	Lehár	8:55–9:20	T06	848
Suk-Joong L. Kang	Fundamentals of sintering and their future research directions	Invited	Tuesday	July 11, 2017	Lehár	8:55–9:20	T02	085
Sung-Eun Choi	High transmittance infrared ray ZnS lens prepared by hot pressing using homogeneous cubic ZnS nano-powders	Oral	Wednesday	July 12, 2017	Bartók	9:35–9:50	T04	455
Tadeusz Miruszewski	Synthesis, structure and electrical properties of Pr, Co-doped SrTiO ₃ novel SOEC cathode material	Oral	Tuesday	July 11, 2017	Liszt	9:20–9:35	T05	730

Tae-Ho Lee	Glass/Al ₂ O ₃ /GO,CNT composite with high bending strength and thermal conductivity for package of super capacitor	Oral	Monday	July 10, 2017	Bartók	16:05–16:20	T04	452
Takashi Goto	Preparation of boride-based eutectic composite by melt-solidification	Invited	Tuesday	July 11, 2017	Brahms	11:00–11:25	T09	462
Takashi Goto	Chemical vapor deposition of SiC environmental coating for SiC/SiC composite	Invited	Monday	July 10, 2017	Pátria	11:15–11:40	T03	704
Takuma Takahashi	Fabrication of translucent and fluorescent Eu doped CASN bulk ceramics using a spark plasma sintering technique	Oral	Tuesday	July 11, 2017	Bartók	16:15–16:30	T04	663
Tamás Csanádi	Elastic constants of carbon fibres derived from nanoindentation of a 2D-C/SiC composite system	Oral	Monday	July 10, 2017	Pátria	16:00–16:15	T03	589
Tanja Lube	Measuring fracture toughness of Y-TZP	Oral	Monday	July 10, 2017	Pátria	16:15–16:30	T03	276
Tatsuki Ohji	Novel processing for unique porous ceramics	Invited	Tuesday	July 11, 2017	Lehár	14:30–14:55	T02	735
Tetiana Prikhna	Structure, mechanical characteristics and stability of (Ti,Nb)-Al-C MAX-phases-based composites in hydrogen and oxidizing atmosphere	Oral	Thursday	July 13, 2017	Pátria	9:50–10:05	T03	662
Theo Saunders	Recent advances in current assisted sintering	Invited	Tuesday	July 11, 2017	Lehár	14:55–15:10	T02	824
Thomas Graule	Van der Waals interactions in refractive index matched nanoparticle dispersions	Invited	Tuesday	July 11, 2017	Pátria	14:30–14:55	T03	128
Thomas Konegger	Micro- and mesopore structure control in silicon carbonitride-based ceramics using molecular porogens	Oral	Monday	July 10, 2017	Liszt	18:05–18:20	T01	333

Thomas Mühler	LSD-based Selective Laser Sintering starts up to new quality of silicate ceramic bodies	Oral	Monday	July 10, 2017	Liszt	19:05–19:20	T01	605
Tobias Frueh	Powder chemistry effects on the sintering of Bayer alumina	Oral	Monday	July 10, 2017	Lehár	12:35–12:50	T02	437
Tomasz Troczynski	Progress in calcium-magnesium phospho-silicate hydraulic bio-cements for dentistry and orthopedics	Oral	Wednesday	July 12, 2017	Lehár	9:20–9:35	T06	114
Tomohito Sudare	The adsorption reaction of different shaped-alpha-bismuth oxides with iodide ions	Oral	Monday	July 10, 2017	Mozart	15:20–15:35	T05	372
Trinitat Pradell	Jun ware colours: chemistry and nanostructure	Oral	Thursday	July 13, 2017	Brahms	14:45–15:00	T10	079
Vaclav Pouchly	<i>In situ</i> study of densification at high heating rates	Oral	Thursday	July 13, 2017	Mozart	9:30–9:45	T02	766
Véronique Gauthier-Brunet	Synthesis and characterization of a new $[Ti_{1-\epsilon}Cu_{\epsilon}]_3[Al(1-x)Cu_x]C_2$ max phase solid solution with adjustable substitution rates	Oral	Thursday	July 13, 2017	Pátria	9:35–9:50	T03	671
Victor C. Pandolfelli	Reflections on refractory materials and their evaluation	Invited	Wednesday	July 12, 2017	Mozart	8:30–8:55	T11	091
Victor M. Orera	Design and characterization of porous ceramic membranes for passive sampler of water contaminants	Oral	Thursday	July 13, 2017	Lehár	15:00–15:15	T06	801
Viktor Bovtun	High-frequency dielectric spectra of $BaTiO_3$ - $PbMg_{1/3}Nb_{2/3}O_3$ ceramics	Oral	Monday	July 10, 2017	Bartók	12:05–12:20	T04	208
Vincent Guérineau	<i>In situ</i> study of the oxidation of ZrB_2 and HfB_2 -based ceramics through laser-induced fluorescence from BO_2	Oral	Wednesday	July 12, 2017	Brahms	12:30–12:45	T08	384
Vincenzo Buscaglia	Phase transitions and polar order in $BaCe_xTi_{1-x}O_3$ ($x = 0.02 - 0.30$) ceramics	Oral	Monday	July 10, 2017	Bartók	17:00–17:15	T04	247

Virtudes Rubio	Ultra high temperature ceramic matrix composites based on carbon fibres	Invited	Monday	July 10, 2017	Lehár	17:00–17:25	T02	638
Vladislav A Sadykov	Testing oxygen separation membranes based upon novel materials	Oral	Tuesday	July 11, 2017	Liszt	12:50–13:05	T05	738
Wai-Yim Ching	<i>Ab initio</i> modelling of structure and properties of cements	Invited	Wednesday	July 12, 2017	Brahms	11:00–11:25	T08	083
Walter Krenkel	RMI-derived ceramic matrix composites based on the liquid-phase pyrolysis of carbon/carbon	Invited	Monday	July 10, 2017	Lehár	14:30–14:55	T02	853
Wang Zhang	Bioinspired optical structure for enhancement infrared absorption	Invited	Thursday	July 13, 2017	Brahms	8:55–9:20	T08	968
Wei Pan	Defect engineering in development of low thermal conductivity materials	Oral	Tuesday	July 11, 2017	Liszt	14:55–15:10	T05	086
Wendelin Deibert	Stability and sintering of magnesium oxide as a substrate material for lanthanum tungstate membranes	Oral	Thursday	July 13, 2017	Liszt	12:15–12:30	T05	383
Wenjea J. Tseng	TeO ₂ /SnO ₂ hybrid nanowire structures for enhanced room-temperature gas sensing	Oral	Wednesday	July 12, 2017	Bartók	12:05–12:20	T04	055
Wilfried Wunderlich	Interfaces of CaCo- and CaMn-ceramics provide high thermoelectric conversion efficiency	Oral	Tuesday	July 11, 2017	Liszt	16:10–16:25	T05	454
William G. Fahrenholtz	Ultra-high temperature mechanical behavior of ZrB ₂ -based laminates	Invited	Tuesday	July 11, 2017	Pátria	8:55–9:20	T03	084
William Lee	A personal perspective of ceramic research collaborations with industry	Invited	Monday	July 10, 2017	Brahms	11:15–11:40	T07	851
Willy Kunz	Material development, processing and testing of a silicon nitride turbine rotor	Oral	Tuesday	July 11, 2017	Pátria	12:20–12:35	T03	036
Wirat Lerdprom	Impact of field assisted sintering on porcelain microstructure	Oral	Monday	July 10, 2017	Lehár	18:05–18:20	T02	040

Wolfgang Preis	Electrical properties of barium titanate ceramics doped with 2.1% La and 1.0% Mn as a function of temperature and oxygen partial pressure	Oral	Tuesday	July 11, 2017	Bartók	12:35–12:50	T04	592
Wolfgang Rheinheimer	Grain growth transitions in perovskite ceramics: bimodal microstructures, anisotropy and point defects	Oral	Monday	July 10, 2017	Lehár	15:50–16:05	T02	902
Wu Zhen	Porous γ -(Y _{1-x} Ho _x) ₂ Si ₂ O ₇ thermal insulator with excellent strength retention at high temperature	Oral	Wednesday	July 12, 2017	Liszt	12:35–12:50	T01	252
Xiang Ming Chen	SPS derived CaTiO ₃ -based dielectric ceramics with high energy storage density	Invited	Monday	July 10, 2017	Bartók	11:15–11:40	T04	159
Xifan Wang	Freeze-cast cylindrical silicon oxycarbide shells fabricated by cryo thiol-ene photopolymerization	Oral	Wednesday	July 12, 2017	Liszt	10:20–10:35	T01	758
Yanchun Zhou	Making ceramics tolerant to damage by forming nanolaminated structures: from MAX phases to MAB phases	Invited	Tuesday	July 11, 2017	Pátria	12:05–12:20	T03	154
Yanis Cherkaski	Influence of yttria doped thoria microstructure on its compatibility with liquid sodium	Oral	Tuesday	July 11, 2017	Bartók	14:45–15:00	T04	341
Yann Aman	New insights into field assisted sintering through synchrotron X-rays computed tomography investigations	Oral	Monday	July 10, 2017	Lehár	15:35–15:50	T02	444
Yoshikazu Suzuki	MgTi ₂ O ₅ and related pseudobrookite-type ceramics	Oral	Thursday	July 13, 2017	Mozart	11:55–12:10	T01	523
Yoshio Sakka	Texturing and mechanical properties of MAX phase ceramics and Zr(Hf)B ₂ -base ultra-high temperature ceramics	Invited	Thursday	July 13, 2017	Pátria	8:30–8:55	T03	301
Young-Wook Kim	High thermal conductivity of liquid-phase sintered silicon carbide ceramics	Invited	Monday	July 10, 2017	Pátria	11:40–12:05	T03	077

Yuan Lin	Tailoring strains and physical properties of epitaxial thin films on vicinal substrates	Oral	Tuesday	July 11, 2017	Bartók	10:20–10:35	T04	727
Yuchi Fan	Advanced oxide ceramic composites based on graphene	Oral	Tuesday	July 11, 2017	Pátria	16:20–16:35	T03	049
Zdeněk Chlup	Heat treatment effect on the microstructural changes in the vicinity of fibre matrix interfaces of SiOC based composites	Oral	Thursday	July 13, 2017	Pátria	14:30–14:45	T03	747
Zhengyi Fu	New sintering process for high density and limited grain growth with plastic deformation as dominating mechanism	Invited	Wednesday	July 12, 2017	Pátria	11:00–11:25	T03	050
Zhijian Shen	Reactive sintering activated by SPS	Invited	Monday	July 10, 2017	Lehár	11:40–12:05	T02	825
Zoltan Lences	Luminescent properties of lanthanide oxide and fluoride doped ternary silicon nitride-based phosphors	Oral	Tuesday	July 11, 2017	Bartók	14:30–14:45	T04	755
Zuzana Kováčová	Preparation and characterization of oxidation behavior of YB4-SiC ceramics	Oral	Tuesday	July 11, 2017	Brahms	12:50–13:05	T09	518

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