



Program

	Slot	Speaker/Presenter	Title
Invited	Inv.1	M. Ohyanagi	Superior fracture toughness of non-equilibrium ZrO_2/Al_2O_3 nano-nano composite with eutectic composition
	Inv.2	D. Garbiec	SPS-synthesized MAX phases: processing and applications
	Inv.3	C. Manière	Production of complex shapes by 3D printing coupled to SPS: from metallic shapes to ultrarefractories
	Inv.4	M. Biesuz	Recent progress in rapid sintering of YSZ
Orals	O.1	M. Guzik	First Translucent cubic and Nd^{3+} doped $BaLaLiWO_6$ and $BaLaNaWO_6$ ceramics fabricated by SPS
	O.2	A. Hawel	Optimal Grain Size for Producing Transparent Self-Healing Spinel
	O.3	K.A.Prokop	Spark Plasma Sintering: an effective method for manufacturing optical ceramics from Nd^{3+} -doped Hydroxyapatite
	O.4	Nadia Bencharef	Impact of Spark Plasma Sintering conditions on microstructural and Electrical Properties of $(K_{0.5},Na_{0.5})NbO_3$ (KNN)
	O.5	Julien De Landsheer	Optimizing nanostructure of Ytria-Stabilized Zirconia combining chemical reactivity and High Pressure-Spark Plasma Sintering
	O.6	Amouroux Antoni	Correlation between microstructure and mechanical properties of yttria-stabilized fibrous zirconia densified by Spark Plasma Sintering
	O.7	Djouhar Aoubida	Development of all-solid-state pH and reference electrodes based on lithium lanthanum titanium oxide (LLTO) using Spark Plasma Sintering (SPS) for the long-term monitoring of nuclear waste disposal
	O.8	Alexander Ahrend	Spark Plasma Sintering of a high-entropy alloy for the production of green hydrogen
	O.9	Miguel. A. Lagos	SPS sintering of magnetic high entropy materials: processing, microstructure, and properties
	O.10	Peter Apata Olubambi	Computational and Mechanical Studies on Spark Plasma Sintered NiAl Base High-Entropy Alloys
	O.11	S. Lemonnier	High superconducting properties of low temperature-High Pressure Spark Plasma Sintered MgB_2 ceramics
	O.12	Y. Xing	MgB_2 cryomagnet superconductors designed to overcome magnetic flux jumps
	O.13	Glenda Motsi	Spark Plasma Sintering and tribological properties of pure titanium reinforced with borides and carbides
	O.14	James Pepper	Directional necking during early sintering in conductive titanium powders
	O.15	Jean-Philippe Monchoux	Effect of the SPS current on mass transport in the liquid Sn-Zn system
	O.16	Abdullah Riaz	Field-assisted sintering of biocompatible piezoelectric-bioactive scaffolds for bone tissue engineering
	O.17	Mihaela Rebermik	Optimizing Coercivity and Remanence in Recycled Nd-Fe-B Magnets Using $Nd_{70}Cu_{30}$ Alloy and Spark Plasma Sintering
	O.18	Tomaž Tomšič	Experimental verification of micro-nonuniform heating in multiphase Nd-Fe-B type metallic powder
	O.19	Robert Mücke	Electric field and current assisted sintering of oxide ceramics
	O.20	Nicolas Albar	Master Sintering Curve analysis of ZnO densified by Spark Plasma Sintering and Cold Spark Plasma Sintering
	O.21	Gabriele Traversari	Rheological modelling of Spark Plasma Sintering of transition metal diborides: A slider/dashpot combination-based approach
	O.22	G. Rayrat	Applied pressure and microstructural heterogeneities in Spark Plasma Sintered samples induced by the punch hole
	O.23	Antonio Fernández-Ortiz	Effect of pressure on the densifiability by spark plasma sintering of B_4C-SiC composites from B_4C+Si
	O.24	Marco Bernet	Comparison of selective powder deposition and porous L-PBF processing for multi-material manufacturing by spark plasma sintering
	O.25	V. Bhasker	Thermoelectric and ferroelectric properties of $Sr_{1-x}Nb_xO_6$ solid solution sintered by SPS
	O.26	Sandrine Cottirino	Synthesis and characterization of mimetic materials as pallasites analogues for impact experiments
	O.27	Igor Veremchuk	Spark Plasma Synthesis of transition metal oxides
	O.28	Lucas Ravix	Conception of a semi-conductor neutron detector with additive manufactured parts and spark plasma sintering packaging
	O.29	Nikhil Bhoopur	Pressureless Spark Plasma Sintering (PSPS) of ceramic matrix composites with graphene-like networks
	O.30	Victor Zamora	Spark plasma sintering of B_4C with a transient Si-forming additive and its sliding wear
	O.31	Christopher Castro Chavarria	Influence of transient flux and heating rate on low-temperature sintering KNN ceramics by SPS
	O.32	Flora Molinari	Elaboration of Titanium oxide Ceramics by Cool-SPS
	O.33	R. Raison	Metal-ceramic assembly co-sintered by SPS for power electronics applications
Industrials	Ind.1	Thomas Faure	Development of complex shape parts and series production in large size by Spark Plasma Sintering
	Ind.2	Arnaud Fregeac	FAST/SPS: Industrial post-process for full densification of 3D complex shape from sinter based additive manufacturing processes
	Ind.3	Lars Helldahl	Chemical reactions in SPS, Influences of different current wave forms
	Ind.4	Jens Huber	From R&D to Industry
	Ind.5	Damian Karpowicz	Upgraded field assisted sintering technology latest devices and applications
	Ind.6	Samuel Lister	Exploitation of FAST/SPS to recycle surplus particulates for sustainable solutions and near net shape components
	Ind.7	Christopher Melnyk	Rapid material development and component production via cryogenic milling and Fast Spark Plasma Sintering
	Ind.8	Katsuhiko Nobeta	SPS latest technology / application, various model
	Ind.9	Damien Sicard	A Multimodal deep learning model : toward a Spark Plasma Sintering digital twin
Posters	P.1	Cloé Benoit	Study of the 3D printing of advanced ceramics by acoustic waves
	P.2	Damien Brault	Efficient sintering strategy to produce functional lead-free piezoelectric $(K,Na,Li)(Nb,Ta)O_3$ piezoelectric ceramics for applications
	P.3	Sandrine Cardinal	Spark plasma sintering: a useful process to produce bulk metallic glasses and composites using a commercial Zr-Cu-Al-Nb amorphous powder
	P.4	Christophe Drouet	Low temperature consolidation of Layered Double Hydroxides (LDH) by cold SPS for biomaterials applications and beyond
	P.5	Michaël Josse	Sintering of Molecular Ceramics and Oxides by Cool-SPS
	P.6	Aurélie Jankowiak	Microstructural and chemical gradients in γ/γ' superalloys made by flash sintering.
	P.7	Amit Mishra	Pressure-less Spark Plasma Sintering of W-type $SrZn_2Fe_{10}O_{27}$ Ferrites
	P.8	K.A.Prokop	Enhancing transparency of calcium phosphate ceramics impact of starting powder, LiF doping, and Spark Plasma Sintering conditions
	P.9	Sana Shaukat	Spark Plasma Sintering Technique for Optimizing Magnetic Properties of Bulk Nanocrystalline Nd-Fe-B Magnets
	P.10	Florent Teyssier	High strength - high conductivity silver nanowire-copper composite wires by spark plasma sintering and wire-drawing for non-destructive pulsed fields
	P.11	Yohann Thimont	Binder Jetting coupled to Spark Plasma Sintering for the elaboration of Thermoelements with various shapes: the case of the MnSi ₃
	P.12	R. Zybala	Use of the SPS/FAST method to fabricate metal/thermoelectric material connections
	P.13	Mirva Eriksson	Pressureless and pressure assisted SPS for nanostructured zirconia

