

❖ Programme at a glance

Wednesday 28 th	Thursday 29 th	Thursday 29 th	Friday 30 th
15:00-15:20 OPENING CEREMONY	Session 3 Chair: Ján Dusza	Session 5 Chair: Hanuš Seiner	Session 7 Chair: Erica L. Corral
Session 1 Chair: M.I. Osendi	9:00-9:40 A. Agarwal: Graphene reinforced ultrahigh temperature tantalum carbide	15:00-15:40 D. Yoon: Next generation graphene/ceramic hybrid materials for energy savings	9:00-9:40 J. Dusza: B ₄ C+graphene platelet composites-processing, microstructure and properties
15:20-16:00 M. Terrones: Synthesis and applications of 1-, 2- and 3-dimensional carbon assemblies: from nanotubes to graphene and foams	9:40-10:00 E.L. Corral: New advances in processing, microstructural analysis, and bulk mechanical properties of high toughness graphene reinforced silicon nitride composites	15:40-16:00 Y. Liu: Liquid flame spray deposition of WO ₃ -graphene nanocomposite coatings for gas-sensing applications	9:40-10:00 A. Kawasaki: Highly strain tolerant and tough ceramic composite by incorporation of graphene
16:00-16:40 A. Zurutuza: Challenges in graphene applications	10:00-10:20 P. Hvizdoš: Development of electrically conductive SiC-GPL, SiC-CNT and SiC-TiN/C composites	16:00-16:20 V. Fuertes: Synthesis and characterization of composites ZnO/GO/Nps FeO(OH)	10:00-10:20 R. Cano-Crespo: Creep behaviour of alumina reinforced composites sintered by Spark Plasma Sintering
16:40-17:00 COFFEE BREAK	10:20-10:40 R. Moreno: Production of multilaminates of ceramic oxides reinforced with graphene by tape casting and SPS	16:20-16:40 J.A. Argüello: Microwave-assisted hydrothermal synthesis and deposition of MnO ₂ /graphene electrode material for supercapacitors	10:20-10:40 C. Balázi: Si ₃ N ₄ /graphene nanocomposites for tribological application in aqueous environments prepared by attritor milling and hot pressing
Session 2 Chair: M. Terrones	10:40-11:00 J. Huang: Liquid flame sprayed titania-hydroxyapatite-graphene nanocomposite coatings for photocatalytic applications	16:40-17:00 COFFEE BREAK	10:40-11:00 COFFEE BREAK
17:00-17:40 M.I. Osendi: Graphene non-oxide ceramic composites: from bulk to cellular materials	11:00-11:20 COFFEE BREAK	Session 6 Chair: DaeHo Yoon	Session 8 Chair: Csaba Balázi
17:40-18:00 V.G. Rocha: Damage sensing capabilities of layered graphene/ceramic composites	Session 4 Chair: Arvind Agarwal	17:00-17:20 M. Belmonte: Robust and highly electrically conductive 3D printed graphene/ceramic porous monoliths	11:00-11:20 F.M. Figueiredo: The role of graphene source on the transport properties of SiC/graphene nanocomposites
18:00-18:20 X. Wang: Polymer-derived dense and macroporous reduced graphene oxide/SiOC nanocomposites	11:20-12:00 H. Seiner: Characterization of graphene/ceramic composites by resonant ultrasound spectroscopy	17:20-17:40 A. Rama: Tissular graphene and graphene-based structures by three dimensional (3D) printing	11:20-11:40 O. Hanzel: Electrical and thermal conductivity of silicon carbide/graphene composites
18:30-20:30 POSTERS SESSION AND GET TOGETHER	12:00-12:20 F. del Río: A comparative study on different aqueous-phase graphite exfoliation methods for graphene production and its application in alumina matrix composites	17:40-18:00 S. Eqtesadi: Fabrication of 3D printed reduced graphene oxide/bioglass composites for bone tissues engineering	11:40-12:00 C. Mallada: Spark plasma sintered BaTiO ₃ /graphene composites for thermoelectric applications
	12:20-12:40 A. Kaźmierczak-Balata: Graphene reinforced silicon carbide ceramics produced by spark plasma sintering method	21:00-23:30 CONFERENCE DINNER	12:00-12:20 A. Dubiel: The influence of graphene on mechanical and thermal properties of hot-pressed ceramic matrix composites
	12:40-13:00 M. Drozdova: Oxide ceramics doped by graphene coated alumina nanofibers		12:20-12:30 CLOSING REMARKS
	13:00-15:00 LUNCH		