



Workshop for Young Ceramists: Promoting your research results

November 26-27, 2018 - Area della Ricerca del CNR, Bologna



PROGRAM DAY 1: Monday 26th

9.00	Registration		
	STUDENT SPEECH CONTEST - Chair person: Dondi Michele (Società Ceramica Italiana and CNR-ISTEC)		
09.30	BOVERI Giulio	CNR-ISTEC, IT	<i>Synthesis and characterization of ceramics-based non-wetting hybrid coatings for industrial applications</i>
09.50	KEMPEN Daniel	Trento Univ, IT	<i>Thermomechanical modelling of powder compaction and ceramic sintering</i>
10.10	MUNGIGUERRA Stefano	Federico II Neaples Univ, IT	<i>Arc-jet testing of ultra-high-temperature ceramic matrix composites for aerospace applications</i>
10.30	QUARTO Mariangela	Bergamo Univ, IT	<i>Machining of ZrB₂+SiC by micro-EDM: process performances and surface quality</i>
10.50	SCANFERLA Paolo	Padova Univ, IT	<i>3D printing of geopolymers: the path to innovative ceramic composites</i>
11.10	COFFEE BREAK		
11.40	VINCI Antonio	CNR-ISTEC, IT	<i>Processing and characterization of carbon fiber reinforced ZrB₂/SiC/WC composites</i>
12.00	ZANONI Ilaria	CNR-ISTEC, IT	<i>Encapsulation of cationic Iridium(III) tetrazole complexes into ceramic silica matrix</i>
12.20	ZIEGLER Daniele	Politecnico Torino, IT	<i>In₂O₃ and WO₃-doped In₂O₃ hydrothermally synthesized as promising ozone sensitive materials</i>
12.40	ZURLO Francesca	Rome Tor Vergata Univ, IT	<i>Tailoring perovskite oxides for SOFC application</i>
13.00	LUNCH		
14.00	VILARINHO Paula	Aveiro Univ, PT	Invited lecture: Speak your science: how to prepare and deliver a scientific talk
	STRUCTURAL CERAMICS - Chair person: Silvestroni Laura (CNR-ISTEC)		
14.45	GALIZIA Pietro	CNR-ISTEC, IT	<i>Transversal thermomechanical behaviour of continuous carbon fiber-reinforced ultra-high temperature ceramics</i>
15.00	QARRA Hassan	Cambridge Univ, UK	<i>Irradiation damage in Zr₂AlC MAX phase</i>
15.15	WOJTECZKO Kamil	AGH Univ Sci Tech, PL	<i>Yttria stabilized tetragonal zirconia polycrystals doped with elongated zirconia particles</i>
15.30	SARAGA Federico	CNR-ISTEC, IT	<i>Self-healing ability of Ultra High Temperature Ceramics</i>
15.45	SARRETTA Alessandro	CNR-ISMAR, IT	Invited lecture: Promoting your research through Open Science: opportunities and challenges
16.30	COFFEE BREAK		
	SYNTHESIS AND PROCESSING - Chair person: Galassi Carmen (CNR-ISTEC)		
17.00	D'ALESSIO Daniela	Parma Univ, IT	<i>Syntheses of melanophlogite (type I clathrate)</i>
17.15	GUZMÁN-MÍNGUEZ Jesus	CSIC-ICV, ES	<i>Synthesis and processing in air of metallic nanowires for permanent magnet applications</i>
17.30	RUTKOWSKA Izabela	AGH Sci Tech Univ, PL	<i>Application of sol-gel and electrophoresis methods for the preparation of Al coatings as catalyst carriers on metal substrates</i>
17.45	GNÝLA Joanna	AGH Sci Tech Univ, PL	<i>TMAH and NaOH as slip agents of aqueous submicron silicon carbide suspensions</i>
18.00	END OF DAY 1		

PROGRAM DAY 2: Tuesday 27th

BIOCERAMICS - Chair person: Galassi Carmen (CNR-ISTEC)	
09.30	DEGLI ESPOSTI Lorenzo CNR-ISTEC, IT <i>Calcium phosphate nanoparticles for cardiac drug delivery</i>
09.45	GUILLOU Sophie INSERM, FR <i>Sintering of carbonated hydroxyapatite for bone tissue engineering</i>
10.00	ŠŤASTNÁ Eva Brno Tech Univ, CZ <i>Influence of ceramic particles on bioactivity of ceramic-polymer composites</i>
10.15	CARELLA Francesca CNR-ISTEC, IT <i>Role of citrate on the formation of enamel like calcium phosphate oriented nanocrystals array</i>
10.30	ŠŤASTNÝ Přemysl Brno Tech Univ, CZ <i>Strength degradation of calcium phosphate scaffolds under conditions simulating osteoclastic resorption</i>
COFFEE BREAK	
SILICATE CERAMICS - Chair person: Dondi Michele (CNR-ISTEC)	
11.15	SOLDATI Roberto CNR-ISTEC, IT <i>Firing behavior of spray dried bodies for porcelain stoneware slabs</i>
11.30	MOLINARI Chiara CNR-ISTEC, IT <i>Synthesis and characterization of PCM-porous ceramic supported devices for active ventilated façades</i>
11.45	CONTE Sonia CNR-ISTEC, IT <i>Reactive sintering of porcelain stoneware bodies: phase evolution and related liquid phase physical properties</i>
12.00	WIŚNIEWSKA Kornelia AGH Univ Sci Tech, PL <i>Effect of fluxing agents on the color and properties of the sintered ceramics</i>
12.15	POLS Maaike EMEA, Jove Invited lecture: Showcasing your Methods via Video Publication
LUNCH	
ELECTRO-OPTIC-MAGNETO CERAMICS - Chair person: Di Bartolomeo Elisabetta (University of Rome Tor Vergata, IT)	
14.00	HŘIBALOVÁ Soňa Prague Univ, CZ <i>Light scattering and absorption by inclusions in transparent spinel ceramics</i>
14.15	OLESIK Piotr Silesian Univ, PL <i>Fabrication of polymer thin films as cladding for optical fiber laser</i>
14.30	BOUSSEBHA Hamza Sakarya Univ, TR <i>AION powder synthesis possibility from Al(OH)₃ via dynamic carbothermal reduction nitridation method</i>
14.45	BRUNENGO Elisabetta CNR-ISMAC, IT <i>PVDF-BaTiO₃ composite dielectrics: influence of processing and particles modification on properties</i>
15.00	KOVALENKO Olga LLC NTC Kyiv, UK <i>Dimensional effect in the production of BaTiO₃ by thermal decomposition of barium titanyl oxalate</i>
COFFEE BREAK	
ELECTRO-OPTIC-MAGNETO CERAMICS - Chair person: Silvestroni Laura (CNR-ISTEC)	
15.45	NOURMOHAMMADI Abolghasem Isfahan Univ, IR <i>Improving thermal properties of BaTiO₃ ceramics by the aqueous gelcasting</i>
16.00	PASSACANTILLI Fabio CNR-ISTEC, IT <i>Performance testing of piezoelectric energy harvester for extracting energy from vibration</i>
16.15	KORNAUS Kamil AGH Univ Sci Tech, PL <i>Stabilization of aluminum titanate by heterogeneous nucleation</i>
16.30	SINDIRAÇ Can Izmir Inst. Tech., TR <i>Solution infiltration method to reduce the sintering temperature of GDC electrolyte</i>
AWARDS and CLOSING - Chair person: Dondi Michele	
17.00	END OF DAY 2