

ICSAAM2019

International Conference on “Structural Analysis of Advanced Materials”

Hotel Continental Terme – Ischia (Italy)
12-15 September 2019



PRELIMINARY PROGRAM

Thursday 12 September 2019

- 14:00-19:00 **Conference registration**
- 20:00 **Welcome Party** (Hotel Continental Terme)

Friday 13 September 2019

Oral contributions - Morning Session

- 9:00-9:10 **Conference Opening**
- 9:10-9:40 **Plenary Lecture: Alberto D'Amore** “Fatigue of structural materials from cements to high performance fiber composites”
- 9:40-10:00 **Alcinia Zita Sampaio** “BIM in structures: Analysis of interoperability”
- 10:00-10:20 **Amadori Stefano** *Optimal Design of High Damping Coated Mechanical Components*
- 10:20-10:40 **Stanescu Marius Marine** *Study of some mechanical properties of Dammar matrix reinforced with hemp fabrics composite*

- 11:00 Coffee Break

- 11:30-12:00 **Invited Lecture : Conci Aura** “Classification of Damages on Borehole Walls by Images”
- 12:00-12:20 **Glaskova-Kuzmina Tatjana** *Environmental Effects on Mechanical, Thermophysical and Electrical Properties of Epoxy Resin Filled with Carbon Nanofillers*
- 12:20-12:40 **Mustapha Hamidi** *Static and dynamic behavior of multilayered magneto-electroelastic laminates with viscoelastic interfaces under different boundary conditions”*
- 12:40-13:00 **Lova Paola** *Tailoring the Properties of Polymers for Photonic Applications with Optical Nanocomposites*

Lunch

Friday 13 September 2019:

Oral Contributions - Afternoon Session

- 15:30-16:00 **Invited Lecture: Laura Mazzocchetti** *Evaluation of Carbon Fibers Structure and Morphology after their Recycling via Pyro-Gassification of CFRPs*
- 16:00-16:30 **Invited Lecture: Mustapha Kaci** *The Effects of Filler Size and Content on the Fire Behavior of Melt-Spun Poly(Lactic Acid)/Cellulose Bionanocomposites Fibers*
- 16:30-16:50 **Barcanov Evgeny** *On-Line Characterization of Pultruded Profiles*

Coffee Break

- 17:20-17:50 **Invited lecture Michele Iannone** “ *Processing of PEEK/PEI blends for high performance composites in aerospace*”
- 17:50-18:20 **Dalverny Olivier** “*Resistive Torque of Roller Bearings and Dissipative Mechanisms; a Multi-Scale Numerical Approach*”
- 18:20-18:40 **Politi Sara** “*Innovative Preparation Processes and Structural Characteristics of 3D Printable Polymer-based Nanocomposites*”
- 18:40-19:00 **Sukhinina Nadezhda** *C8 Nanocrystals Synthesized by Anthracene Carbonization*

Saturday 14th September 2019

Oral Contributions - Morning session

- 9:00-9:30 **Invited Lecture Chiara Gualandi** “*Functional and smart materials by electrospinning for advanced applications*”
- 9:30-9:50 **Huang Zhenfeng** “*The Mechanical behavior of dove tail profiled steel concrete composite shear walls under axial compression*”
- 9:50-10:10 **Mustapha Hamidi** *Dynamic And Static Behaviors Of Multilayered Magneto-electro-elastic Laminates With Viscoelastic Interfaces Based On Winkler-Pasternak Foundation*
- 10:10-10:30 **Portan Diana Hortensia** “*An insight into the interphase concept as applied to the adhesion between inert and biologic material systems*”
- 10:30-10:50 **Alentiev Dmitry** *Influence of substituent nature on gas-transport properties of silicon-containing polynorbornenes*

Coffee Break

- 11:20-11:40 **Invited Lecture Dalverny Olivier** “ *Simulation of Interfacial Delamination between SiO₂ Thin Film and Polymeric Substrate*”
- 11:40: 12:00 **Lova Paola** “*A New Method for the Determination of Molecular Diffusion Coefficient in Polymer Films by Simple UV-Vis Spectroscopy*”
- 12:00-12:20 **Tranquillo Elisabetta** *Antiproliferative activity of the CGA-containing SiO₂/PEG hybrids synthesized by sol-gel method*
- 12:40-13:00 **Shevtsov Sergey** *Propagation of Lamb Waves Generated by the Angle Beam Wedge Actuator in the Thin Orthotropic Composite Panel*

Lunch

Saturday 14th September 2019

Oral Contributions - Afternoon session

- 15:00-15:30 **Invited Lecture Klaus Friedrich** *“Recent Progress in Tribology of Advanced Composites*
- 15:30-16:00 **Invited Lecture Emmanuel Richaud** *Thermosets Synthesized by Metathesis: Multiscale Lifetime Approach*
- 16:00-16:20 **Zainab Faraj** *Artifact test design for improving the performance of the SLM process*
- 16:20-16:40 **Spina Roberto** *“A comprehensive study of PLA material relationships for Fused Filament Fabricated part performances*
- 16:40-17:00 **Kim Jong-Sung** *Effect of Neutron Irradiation Embrittlement on Cyclic Hardening Behavior of Core Shroud Assembly in Pressurized Water Reactor under Beyond-Design Basis Earthquake*

Coffee Break 17:10 – 18:30

POSTER SESSION

- **Douniazad mezdour** *“Polyaniline Based Composite Layers for Photovoltaic Applications: Thermal and Optical Properties Investigation”*
- **Predescu Cristian** *“Processing of Recycled Polypropylene Compounded with Styrene-Isoprene-Styrene Elastomer”*
- **Tranquillo Elisabetta** *“Improving Durability of Titanium for Biomedical Use by Composite Ceramic Coatings”*
- **Costa Luís Cadillon** *“Structural, Morphologic and Dielectric Properties of Sodium Ferrites*
- **Raffaella Dell’Aversano** *“SiO₂ powders synthesized via sol-gel as pure raw material in geopolymer preparation”*
- **Dehouche Nadjet** *“Morphological Characterization and Storage Stability of Bitumen/Styrene-Butadiene-Styrene/Cloisite 15A Nanocomposites”*
- **Alentiev Dmitry** *“Synthesis and characterization of low- and high-molecular-weight products based on 5-vinyl-2-norbornene”*
- **Raimondo Marialuigia** *“Effect of Functionalized Carbon Nanofillers on the Rheological Behavior of Structural Epoxy Resins”*
- **Scarfato Paola** *“ Comfort and Fatigue Performance of a Soya-Derived Flexible PU Foam for Mattresses”*
- **Abbasi Alireza** *“Effect of Si and Ni on microstructure and mechanical properties of in-situ magnesium-based composites in the as-cast and extruded conditions”*
- **Dell’Agli Gianfranco** *“Li/Gd co-doped Barium-cerate Perovskites as Proton-conducting Electrolytes for LT-SOFCs”*
- **Raffaella Dell’Aversano** *“Preliminary studies on the application of a phenomenological model for fatigue of cementitious materials”*
- **Maffezzoli Alfonso** *“Stereological Analysis of Short Basalt Fiber Composites”*
- **America Califano** *“Comparative studies of phenomenological models for fatigue”*
- **Coppola Luigi** *“The influence of heat and steam curing on the properties of one-part fly ash/slag alkali activated materials: preliminary results”*
- **Loris Giorgini** *B is-amino Functionalized Iron N-heterocyclic Carbene as Epoxy Resins Hardener and Flame Behaviour Modifier*

20:15 GALA DINNER