



CHEMISTRY MEETS INDUSTRY AND SOCIETY

A CREATIVE SHOWCASE CONFERENCE

SALERNO (GRAND HOTEL)

28-30 AUGUST 2019

Scientific Program WS8

Friday, August 30th 2019

<i>Centro Congressi Grand Hotel Salerno</i>	
<i>Room??</i>	
WS8 - Smart Materials	
<i>Chairperson: Prof. Giuseppe Mensitieri</i>	
9:00-9:40	<i>WS8 KN01 – R. Zbořil Low-dimensional carbon nanostructures for biomedical, magnetic, and environmental technologies</i>
9:40-10:10	<i>WS8 KN02 – S. Marchesan Nanostructured materials for selective chemical separation and advanced diagnostics</i>
10:10-10:25	<i>WS8 OR01 – G. V. Bianco, M. Grande, A. Sacchetti, P. Capezzuto, M. Scalora, G. Bruno Graphene technological applications: chemical strategies to overcome limitations</i>
10:25-10:45	<i>WS8 OR02 – P. L. Gentili Smart materials at the service of artificial intelligence</i>
10:45-11:00	<i>WS8 OR03 – M. Melchionna, S. Marchesan, C. Tavagnacco, M. Bevilacqua, M. Bonchio, A. Khlobistov, D. Bonifazi, G. Valenti, F. Paolucci, P. Fornasiero, M. Prato Smart electro-and photo-catalysts based on nano-carbon hybrids</i>
11:00-11:30	Coffee break
<i>Chairperson: Prof. Silvia Farè</i>	
11:30-12:00	<i>WS8 KN03 – P. Vacca Functional composites for advanced packaging solutions</i>
12:00 –12:15	(DELETED) <i>WS8 OR04 – S. Zuppolini, L. Baldino, E. Reverchon, L. Nicolais, A. Borriello Superabsorbent Aerogels Technology Platform</i>
12:15-12:30	<i>WS8 OR05 – L. Melone, A. Fiorati, L. Riva, N. Pastori, C. Punta Functional materials from nanocellulose</i>

12:30–12:45	WS8 OR06 – <u>R. Romita</u> , V. Rizzi, J. Gubitos, J.A. Gabaldón, M. I. Fortea Gorbe, V. M. Gómez López, P.Fini, P. Cosma <i>Cyclodextrin-based polymers as efficient and reusable adsorbents to remove emerging pollutants from water to promote a sustainable and circular economy</i>
12:45-13:00	WS8 OR07 – <u>F. Nardelli</u> , F. Martini, E. Rossi, M. Geppi, L. Calucci, S. Borsacchi, M. Cettolin, A. Susanna, E. Carignani <i>Structural and dynamic characterization of elastomeric materials by time domain NMR spectroscopy</i>
13:00-15:00	Free lunch break
<i>Chairperson: Luigi De Nardo</i>	
15.00-15:25	WS8 OR08 (Invited Lecture) – G. Vozzi <i>Tailoring materials properties from nano to microscale</i>
15:25-15:50	WS8 OR09 (Invited Lecture) – S. Farè, L. Bonetti, N. Contessi Negrini, L. De Nardo <i>Smart natural hydrogels for biomedical applications</i>
15:50-16:05	WS8 OR10 – <u>M. L. Curri</u> , E. Fanizza, M. Striccoli, R. Comparelli, C. Ingrosso, A. Panniello, T. Placido, M. Corricelli, F. Rizzi, F. Vischi, A. Agostiano, N. Depalo <i>Smart multifunctional nanomaterials based on colloidal nanoparticles for biomedical applications</i>
16:05-16:20	WS8 OR11 – <u>P. Dardano</u> , L. de Stefano, L. Nicolais <i>Polymeric microneedles based devices: from material design to application</i>
16:20-16:35	WS8 OR12 – <u>B. Grandinetti</u> , S. Querceto, D. Martella, C. Ferrantini, J. M. Pioner, D. S. Wiersma, C. Poggesi, C. Parmeggiani <i>Stimuli-responsive materials towards biological applications</i>
16:35-16:50	WS8 OR13 – A. Ronca, <u>G. Rollo</u> , P. Cerruti, G. Fei, X. Gan, G. G. Buonocore, M. Lavorgna, H. Xia, C. Silvestre, L. Ambrosio <i>Selective laser sintering fabricated thermoplastic polyurethane/graphene cellular structures with tailorable properties and high strain sensitivity</i>
16:50-17:05	WS8 OR14 – E. Di Maio, F. Errichiello, A. Cammarano, M. Trofa, P. L. Maffettone, L. Nicolais <i>Simply advanced foams</i>
17:05-17:20	WS8 OR15 – V. C. L. Caruso, R. Inturri, V. Sanfilippo, G. Villaggio, L. Messina, S. Vaccaro, <u>C. Satriano</u> <i>Gold nanoparticles and hyaluronic acid hybrids for enhanced wound healing properties</i>

Poster Session 2

WS8 PO01 C. Amicucci, M. Banchelli, C. D'Andrea, M. de Angelis, F. Cristiano, F. Bertocchi, A. Caneschi, P. Matteini
Formulation of hybrid nanocomposites based on silver nanowires and graphene derivatives for the fabrication of SERS substrates

WS8 PO02 A. Bellissimo, F. Auriemma, R. Pasquino, N. Grizzuti, C. De Rosa
Dynamics and structure of Polyvinyl alcohol chains at the interface of two surfaces

WS8 PO03 A. Caneschi, M. Innocenti, M. Briganti, L. Capozzoli, A. Cini, E. Fantechi.
PVD thin films deposited study for applications in the luxury industry

WS8 PO04 A. Cozzolino, N. Baku, P. Rizzo, G. Guerra, Anna Nuzzo, Paolo Vacca
A New Crystalline Polymer: Poly(2,6-dimethyl-1,4-phenylene)oxide (PPO)

WS8 PO05 M. Gastaldi, A. Fin, N. Barbero, I. Roppolo, A. Chiappone, F. Frascella,
S. Bordiga, M. Zanetti, Claudia Barolo
Innovative functional polymers in the 3D printing

WS8 PO06 T. Mecca, F. Cunsolo, D. Caretti, S. Scurti, M. Ussia, S. C. Carroccio
New glucamine based highly porous polymers for the adsorption of arsenic from water

WS8 PO07 W. Navarra, O. Sacco, V. Vaiano, C. Daniel, V. Venditto
Nanocomposite aerogels with photocatalytic properties as smart materials for environmental application

WS8 PO08 F. Rizzi, T. Latronico, A. Panniello, V. Laquintana, N. Denora, I. Arduino,
A. Fasano, C. M. Mastroianni, E. Fanizza, M. P. Scavo, M. Striccoli, A. Agostiano,
G.M. Liuzzi, M. L. Curri, N. Depalo
Luminescent PLGA-based nanoparticles as traceable nanocarriers for darunavir brain delivery to treat HIV-associated disorders

WS8 PO09 F. Vischio, N. Depalo, R. M. Iacobazzi, M. P. Scavo, S. Villa, F. Canepa,
S. Hee Lee, B. Chul Lee, E. Fanizza, I. Arduino, V. Laquintana, A. Lopalco, A. Lopodota,
A. Cutrignelli, M. Striccoli, A. Agostiano, N. Denora, M. L. Curri
Magnetically targeted delivery of sorafenib through magnetic solid lipid nanoparticles towards treatment of hepatocellular carcinoma

WS8 PO10 M. Milazzo, F. Auriemma, C. De Rosa, D. Capone, R. Pasquino,
N. Grizzuti
Evaluation of curing efficiency of novolac-type phenol-formaldehyde resins for the tuning of multifunctional materials

17:30-19:00

17:30-19:00	<p>WS8 PO11 <u>L. Izzo</u>, M. Mella, G. Vigliotta <i>How to modulate the inherent antimicrobial activity of thermoplastic polymers based on 2-(Dimethylamino)Ethyl Methacrylate: the role of polymer architecture</i></p> <p>WS8 PO12 <u>M. Giorcelli</u>, P. Mandracci, S. Guastella, X. Li, Y. Liang, A. Tagliaferro <i>Plasma treatments to improve carbon fibers adhesion on epoxy resin composites</i></p> <p>WS8 PO13 <u>S. Cicchi</u>, B. Richichi, M. Mba Blázquez, T. Carofiglio, E. Menna, M. Maggini <i>WeGoNANO: multifunctional nanostructured carbon and glycans derivatives for industrial applications</i></p> <p>WS8 PO14 L. M. Cucci, S. Kwiek, L. Finocchiaro, I. Pinieri, <u>C. Satriano</u> <i>Silica nanoparticles for controlled loading and release of essential oils in multifaceted patches</i></p> <p>WS8 PO15 <u>K. Fidecka</u>, D. Williams, I. Yildirim, W. Kamau, S. Mathur, S. Porzio E. Licandro <i>Application of academic research on halloysite nanoparticles in the development of BASF's halloysite-based products</i></p> <p>WS8 PO16 <u>A. Trusek</u> <i>Graphene Oxide as a drug carrier – chemical carrier activation, drug attachment and its enzymatic release</i></p> <p>WS8 PO17 <u>B. Oji</u> and M. Sadiq <i>Sintering, Characterization and Physical Properties Evaluation of Ceramics Produced From Soda-Lime-Silica Glass and White Corn Cob Ash</i></p>
19:00-19:15	Closing