

Wednesday, 12 July

08:30	Registration (<i>registration area</i>)
09:00	Introduction of the organizers (<i>congress hall</i>) <i>Prof. Nelson Marmiroli</i> (UniPR) and <i>Dr. Salvatore Iannotta</i> (IMEM-CNR) Authorities welcome and remarks
09:30	Round Table. "Technologies and Sustainable development"
	Organizer <i>Prof. Nelson Marmiroli</i> Moderator <i>Vittoriano Zanolli</i> - Direttore, "La Provincia" di Cremona e Crema Speakers <i>Prof. Giovanni Franceschini</i> - Rettore Vicario, UniPR <i>Dr. Simona Caselli</i> - Assessore all'agricoltura, caccia e pesca, Regione E-R <i>Dr. Palma Costi</i> - Assessore alle attività produttive, Regione E-R <i>Dr. Isabella De Angelis</i> - Istituto Superiore di Sanità, Roma <i>Dr. Alberto Manzo</i> - Ministero delle Politiche Agricole Alimentari e Forestali (MIPAAF) <i>Dr. Andrea Pontremoli</i> - Dallara S.p.A. <i>Prof. Paolo Cescon</i> - IDPA-CNR, Venezia <i>Dr. Lanfranco Masotti</i> - Presidente, Consorzio Italbiotec (Milano) <i>Dr. Francesco Paolo Ausiello</i> - Direttore Tecnico, ASTER <i>Prof. Antonio D'Aloia</i> - Direttore Centro Bioetica, UniPR
13:00	Lunch break
14:00	Poster exhibition (<i>poster area</i>)
14:30	Job Day (<i>congress hall and Industry dedicated area, 1st floor</i>) "Industries meet students and young researchers"
	Moderators <i>Prof. Sara Rainieri</i> (UniPR) and <i>Dr. Francesco Paolo Ausiello</i> (ASTER)
	
16:30	Project Session (<i>congress hall</i>)
	Moderators <i>Prof. Enrico Dal canale</i> (INSTM) and <i>Dr. Salvatore Iannotta</i> (IMEM-CNR) Projects INTENSE (UniPR) – <i>Prof. Elena Maestri</i> (UniPR) TERMOREF (UniPR) Nano ² Fun (UniPR) – <i>Prof. Anna Painelli</i> (UniPR) SUPERSITO (ARPAE) – <i>Dr. Stefano Zauli Sajani</i> (Center for Environment and Health, ARPAE E-R) Corti Heal – <i>Prof. Marina Caldara</i> (UniPR)
18:00	

Thursday, 13 July

08:30	Registration (<i>registration area</i>)
	Session I. Technologies and Applications (<i>congress hall</i>) <i>Chairmen: Prof. Stefano Selleri</i> (UniPR) and <i>Prof. Roberto De Renzi</i> (UniPR)
09:00	Plenary lecture I - <i>Dr. Ciro Chiappini</i> (King's College London, UK). Engineering high aspect ratio nanostructures to direct cell fate
09:25	Miniplenary I - <i>Prof. Daniele Pontiroli</i> (UniPR). Carbon Nanostructures for Energy Applications
09:45	Oral Communication - <i>Dr. Simone Fortunati</i> (UniPR). Amperometric genosensor based on PNA probes implemented on carbon nanotubes-modified screen printed electrodes
10:00	Oral Communication - <i>Dr. Valeria Caponetti</i> (UniBO). Fluorescent nanoaggregates by self-assembly of amphiphilic perylene bisimides for sensing pH and anions in water
10:15	Oral Communication - <i>Prof. Rosaria Rinaldi</i> (IMM-CNR). Multi-shape hydrogel-nanostructures: microfluidic-assisted approach
10:30	Oral Communication - <i>Dr. Carlo Molardi</i> (UniPR). Design of micro-structured fiber for improved high power laser operation
10:45	Short Communication - <i>Dr. Carlotta Peruzzi</i> (IMEM-CNR). Full plastic organic electrochemical transistors with graphene-metal nanoparticle composites as gate electrodes: a benchmark towards the intrinsic selectivity
10:55	Coffee break
11:20	Invited speaker - <i>Prof. Luca Vincetti</i> (UniMORE). Microstructured Fibers for label-free DNA detection
11:40	Poster Presentation Session I. Technologies, Chemistry and Physics (<i>congress hall</i>) <i>Chairmen: Prof. Maria Careri</i> (UniPR) and <i>Dr. Andrea Zappettini</i> (IMEM-CNR)
13:00	Lunch break
13:45	Poster vision and evaluation (<i>poster area</i>)
	Session II. Regulation and Economics (<i>congress hall</i>) <i>Chairmen: Prof. Luca Di Nella</i> (UniPR) and <i>Prof. Cesare Azzali</i> (Unione Parmense degli Industriali, U.P.I.)
14:30	Plenary lecture II - to be confirmed
15:00	Miniplenary II - <i>Prof. Daniele Ruggiu</i> (UniPD). Towards a overall regulation of nanotechnologies: is the devil in the detail?
15:20	Invited speaker - <i>Dr. Dania Esposito</i> (ISPRA, Roma). Nanomaterials and EU Regulation on Chemicals. Approach to the environmental risk assessment
15:35	Invited speaker - <i>Prof. Cesare Galli</i> (UniPR)
15:50	Oral Communication - <i>Dr. Maria Chiara Errigo</i> (UniPR). The Nanotechnologies in the food sector: the European regulation
16:05	Short Communication - <i>Prof. Elena Maestri</i> (UniPR). Nanotechnologies in agri-food: lessons learned from transgenic organisms
16:15	Coffee break
16:40	Poster Presentation Session II. Medicine, Health, Drugs and Veterinary Medicine (<i>congress hall</i>) <i>Chairmen: Prof. Ruggero Bettini</i> (UniPR) and <i>Prof. Giorgio Dieci</i> (UniPR)
18:00	

Friday, 14 July

08:30	Registration (<i>registration area</i>)
	Session III. Agrifood, Environment and Biotechnologies (<i>congress hall</i>) <i>Chairmen: Prof. Marta Marmiroli</i> (UniPR) and <i>Dr. Jason C. White</i> (The Connecticut Agricultural Experiment Station, CAES; New Haven, CT, USA, USA)
09:00	Plenary lecture III - <i>Dr. Jason C. White</i> (CAES, USA)
09:30	Miniplenary III - <i>Dr. Giovanna Zappa</i> (ENEA)
09:50	Oral Communication - <i>Dr. Michela Janni</i> (IMEM-CNR). Bioristor: an <i>in vivo</i> biosensing, biomimetic electrochemical transistor with applications in plant science and precision farming
10:05	Oral Communication - <i>Dr. Alessia Favero</i> (UniPR). Tetraphosphonate Cavitations Recognition in water: from Amino Acids to Histone camouflage
10:20	Oral Communication - <i>Dr. Manon Auguste</i> (UniGE). PANDORA: probing safety of nano-objects by defining immune responses of environmental organisms
10:35	Oral Communication - <i>Dr. Chiara Lico</i> (ENEA). A biodistribution study of two differently shaped plant virus nanoparticles reveals new peculiar traits
10:50	Short communication - <i>Dr. Luca Pagano</i> (UniPR). Physiological and molecular response <i>Cucurbita pepo</i> exposed to ENM binary combinations
11:00	Coffee break
11:20	Invited speaker - <i>Prof. Luca Marchiol</i> (UniUD)
11:40	Poster Presentation Session III. Agrifood, Environment and Biotechnologies (<i>congress hall</i>) <i>Chairmen: Dr. Rita Baraldi</i> (IBIMET-CNR) and <i>Prof. Elena Maestri</i> (UniPR)
13:00	Lunch break
13:45	Poster vision and evaluation (<i>poster area</i>)
14:30	Invited keynote speaker - <i>Prof. Jorge Gardea-Torresdey</i> (The University of Texas, El Paso, TX, USA). Where we go from here...
	Session IV. Medicine & Health (<i>congress hall</i>) <i>Chairmen: Prof. Rosaria Rinaldi</i> (IMM-CNR) and <i>Prof. Antonio Mutti</i> (UniPR)
15:00	Plenary lecture IV - <i>Dr. Flavia Barone</i> (Istituto Superiore di Sanità)
15:20	Miniplenary IV - <i>Prof. Michele Miragoli</i> (UniPR). Recovery of cardiac impulse propagation in ischemic rat heart via silicon carbide conductive nanowires (SiC-NW)
15:35	Oral Communication - <i>Dr. Gregorio Marchiori</i> (Rizzoli Orthopedic Institute). 3D printing of novel PCL/bioactive glass scaffolds for bone tissue regeneration: nanoindentation and finite element analyses
15:50	Oral Communication - <i>Dr. Alessandra Procopio</i> (UniBO). Quantitative determination of dye doped silica nanoparticles in cancer cells
16:05	Oral Communication - <i>Dr. Nicolò Riboni</i> (UniPR). Odorant binding protein-functionalized superparamagnetic nanoparticles for biomedical applications
16:20	Oral Communication - <i>Dr. Gloria Zaccariello</i> (UniVE). Growth of Bismuth Titanate into Mesoporous Silica Nanoparticles: A New Safe Self-Sealing UV Filter for Cosmetic Formulations
16:35	Short Communication - <i>Dr. Laura Paesano</i> (UniPR). microRNAs transcriptional regulation in human cells exposed to CdS QDs
16:45	Poster awards (<i>congress hall</i>) <i>Chairmen: Prof. Cesare Azzali</i> (Direttore generale, U.P.I.) and <i>Dott. Andrea Zanlari</i> (Presidente, Camera di Commercio Parma)
17:15	Conference closure by organizers
18:00	Scientific Happy Hour