








2nd Sustainable Nanotechnology School

A practical approach for understanding the environmental, health and safety implications of manufactured nanomaterials to foster their sustainable applications

Time	24th January Sunday	25th January Monday	26th January Tuesday	27th January Wednesday	28th January Thursday	29th January Friday
8:30-9:00				Arrival, Check in, Registration		
09:00-10:30		The complex interplay between MN physicochemical properties and cellular reactions Vicki Stone (Heriot-Watt University, UK) <i>Sala Conferenze, build. ALPHA</i>	Toxicity modelling Lang Tran (IOM, Scotland) <i>Sala Conferenze, Build. ALFA</i>	Introduction to particle size analysis: Dynamic Light Scattering (DLS) and Nanoparticle Tracking Analysis (NTA) - TUTORIAL & LAB EXERCISE Roberto Santoliquido (Alfatest) Riccardo Cossi (Qi s.r.l, Italy) Andrea Bunelli (Ca' Foscari University, Italy) <i>Inorganic Chemistry Lab, Build. BETA</i>	<i>In silico</i> modelling for predicting the toxicity and bioaccumulation of MN based on their physicochemical properties - TUTORIAL & MODELLING SESSION Ceyda Oksel (University of Leeds, UK), Georgios Drakakis (National Technical University of Athens, GR) <i>Computer Lab. 3, Build. ZETA</i>	Risk management in emerging technology (nanotechnology) – some practical and philosophical issues Karena Hester/ Martin Mullins (University of Limerick, IE) <i>Sala Conferenze, Build. ALFA</i>
10:30-11:00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:00 - 12:30		Safe nanomaterials by design: is it a realistic challenge? Anna Luisa Costa (ISTEC-CNR, Italy) <i>Sala Conferenze, build. ALFA</i>	Intelligent testing and grouping strategies for risk assessment of MN Vicki Stone (Heriot-Watt University, UK) Antonio Marcomini (Ca' Foscari University, Italy) <i>Sala Conferenze, Build. ALFA</i>	Sample preparation and physicochemical characterisation of ENM in water media - LAB EXERCISE continues Andrea Bunelli (Ca' Foscari University, Italy) Riccardo Cossi (Qi s.r.l, Italy) Roberto Santoliquido (Alfatest) <i>Inorganic Chemistry Lab, Build. BETA</i>	<i>In silico</i> modelling for predicting the toxicity and bioaccumulation of MN based on their physicochemical properties - MODELLING SESSION continues Ceyda Oksel (University of Leeds, UK), Georgios Drakakis (National Technical University of Athens, GR) <i>Computer Lab. 3, Build. ZETA</i>	Stakeholders' participation in the process of risk governance of nanotechnologies Ineke Malsch (Malsch TechnoValuation, NL) <i>Sala Conferenze, Build. ALFA</i>
12:30 - 13:30		Lunch	Lunch	Lunch	Lunch	Final Test, Closing remarks
13:30 - 15:00	14:00 – 15:00 Registration <i>Hotel Ambasciatori, Blue room</i>	The effects of MN on vital ecosystem services - focus on terrestrial ecosystems Janek J. Scott Fordsmand (Aarhus University, DK) The effects of MN on vital ecosystem services - focus on freshwater ecosystems Teresa Fernandes (Heriot-Watt University, UK)* <i>Sala Conferenze, build. ALFA</i>	Lifecycle thinking: application of a lifecycle impact assessment methodology to wood based products containing nano-additives Michael Steinfeldt (University of Bremen, DE) <i>Sala Conferenze, Build. ALFA</i>	Basic tools in nanoecotoxicology: introduction to toxicity testing and data analysis - TUTORIAL & LAB EXERCISE Giovanni Libralato (Ca' Foscari University, Italy) <i>MICROSCOPY Lab, Build. ZETA</i>	Decision support modelling for risk assessment and management of nanotechnologies - TUTORIAL & MODELLING EXERCISE Elena Semenzin, Alex Zabeo and Danail Hristozov (Ca' Foscari University, Italy) <i>Computer Lab.3, Build. ZETA</i>	 Università Ca' Foscari Venezia  Ca' Foscari Challenge School
15:00-15:30	Introduction to the School Antonio Marcomini (Ca' Foscari University, Italy) <i>Hotel Ambasciatori, Blue room</i>	Coffee Break*	Coffee Break	Coffee Break	Coffee Break	 IOM
15:30-17:00	Nanotechnology in innovation management: balancing performance, price, safety, sustainability Plenary lecture Wendel Wohlleben (BASF, Germany) <i>Hotel Ambasciatori, Blue room</i>	The effects of MN on vital ecosystem services - focus on marine ecosystems Giovanni Libralato (Ca' Foscari University, Italy)* <i>Sala Conferenze, build. ALFA</i>	Synthesis, characterization and feasible application of silver and titanium dioxide nanomaterials - TUTORIAL & LAB EXERCISE Anna Luisa Costa (ISTEC, Italy) Simona Ortelii (ISTEC, Italy) <i>Inorganic Chemistry Lab, Build. BETA</i>	Effects of MN on <i>Phaeodactylum tricornutum</i> and <i>Artemia franciscana</i> : toxicity test reading and data elaboration - TUTORIAL & LAB EXERCISE Giovanni Libralato (Ca' Foscari University, Italy) <i>MICROSCOPY Lab, Build. ZETA</i>	Decision support modelling for risk assessment and management of nanotechnologies - MODELLING EXERCISE continues Elena Semenzin, Alex Zabeo and Danail Hristozov (Ca' Foscari University, Italy) <i>Computer Lab. 3, Build. ZETA</i>	 the REACH CENTRE  Società Chimica Italiana  NIA Nanotechnology Industries Association
17:00-18:30	Welcome cocktail <i>Hotel Ambasciatori, Blue room</i>	<i>In silico</i> modelling of nanomaterial toxicity: current status and future directions Ceyda Oksel (University of Leeds, UK)* <i>Sala Conferenze, build. ALFA</i>	Synthesis, characterization and feasible application of silver and titanium dioxide nanomaterials - LAB EXERCISE continues Anna Luisa Costa (ISTEC, Italy) Simona Ortelii (ISTEC, Italy) <i>Inorganic Chemistry Lab, Build. BETA</i>	Social Dinner <i>Ristorante UNICO</i>	Guided visit to <i>Basilica di San Marco</i>	 GreenDecision

*The afternoon session for Monday 25th January will have the following schedule: 13:30-15:30 The effects of MN on vital ecosystem services - focus on terrestrial and freshwater ecosystems; 15:30-16:00 Coffee Break; 16:00-17:30 The effects of MN on vital ecosystem services - focus on marine ecosystems; 17:30-18:30 *In silico* modelling for predicting the toxicity and bioaccumulation of MN based on key physicochemical characteristics.

Full addresses of the school venues

QUALITY HOTEL AMBASCIATORI & DELFINO

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