

WORKSHOP: MICROPLASTICS POLLUTION

Ocean micro and macro litter pollution

- Problems & Solutions



When & Where:

17th May 2018, 9:00-12:45, Electrum laboratory, Kista
Ka-Sal C (Sal Sven-Olof Öhrvik)

Schedule:

- 09:00-09:20 Microplastics and the effects on the marine ecosystem
– Marco Faimali, CNR, Italy
- 09:20-09:40 Modelling tools for managing micro and macro litter pollution
– Jun She, DMI, Denmark
- 09:40-10:00 Plastics- challenges in reducing marine pollution
– Joydeep Dutta, KTH
- 10:00-10:20 Current technologies in the market that address micro and macro litter pollution
– P.J.H. van Beukering, VU, The Netherlands
- 10:20-10:35 Importance of engaging citizen and stakeholders to address marine litter
– Iliyana Kuzmova, Pensoft, Bulgaria
- 10:35-10:50 Cleaning Litter by developing and Applying Innovative Methods in European seas
– Nikoleta Bellou, HCMR, Greece
- 10:50-11:05 CEM4MAT
– Gunnar Svensson, Stockholm University
- 11:05-11:25 Structure - Property Relationship Analysis of Industrial Grades of Microfibrillated Cellulose
– Anastasia Riazanova, KTH
- 11:25-11:45 Electron Microscopy for particle analysis
– Kjell Jansson, Stockholm University
- 11:45-12:05 Electron tomography – visualizing materials in 3D
– Tom Willhammar, Stockholm University
- 12:05-12:20 Measuring on materials and particles in the transmission electron microscope
– Klaus Leifer, Uppsala University
- 12:20-12:40 Mistra TerraClean - smart materials for clean air and water
– Ulrica Edlund, KTH

Contact:

Prof. Joydeep Dutta
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THE SPEAKERS



Nikoleta Bellou
Research Scientist, Hellenic Centre for Marine Research, Greece

Expert in biofouling and hard bottom communities (macro- and microbial-organisms) grown on artificial substrates from coastal to deep sea; Specialized in Project and Science Communication Management.



Joydeep Dutta
Professor, Functional Materials, KTH, Sweden

Sustainable nanomaterials for planetcare including photocatalysis and electrocatalysis and saline or impaired water treatments. Novel nanomaterials and their applications.



Marco Faimalli
Head of the Genoa Unit of ISMAR-CNR, Italy

More than 20 years' field experience in interaction between materials/technologies and the marine environment (biofouling, biofilm, bio corrosion, antifouling, environmental impact, marine ecotoxicology).



P.J.H van Beukering
Deputy Director at Institute for Environmental Studies, VU Amsterdam, The Netherlands

Specialized in economics of marine environment with main research interests in natural resource management and economic analyses focused on ecosystem services and waste management.



Jun She
Chief Consultant at the Danish Meteorological Institute, Denmark

Expert in observing system design, ocean-wave modelling and coupling processes



Iliyana Kuzmova
Head of Press Office, Pensoft, Bulgaria

Public relations, science communication, including press release writing and promotional materials, liaising with international media



Ulrica Edlund
Professor, Polymer Technology, KTH, Sweden

Synthesis, surface modification, characterization and materials design of polymers, with special focus on the development of functional and advanced formulations and materials from renewable resources.



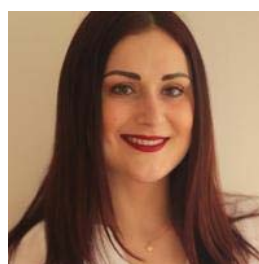
Gunnar Svensson
Professor, Stockholm University, Sweden

Inorganic solid state chemist with an interest in structural characterization using electrons, neutrons and X-rays. Director for the Electron Microscopy Centre at Stockholm University and chair-person for CEM4MAT.



Tom Willhammar
Researcher, Stockholm University, Sweden

Works on structural studies across length scales. He is using tools based on electron microscopy and electron diffraction to characterize materials - from mesostructures down to their atomic arrangements.



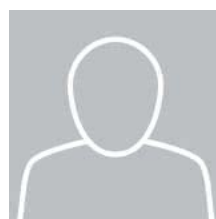
Anastasia Riazanova
Researcher, KTH & WWSC, Sweden

State-of-the-art structure - property relationship analysis of MFC and CNF based materials - natural and biodegradable polymers. A member of H2020 BBI JU Exilva project (2016 onwards)



Klaus Leifer
Professor, Uppsala University, Sweden

Electron microscopy with emphasis on structure/property relations and development of nanodevices/materials for environmental purposes.



Kjell Jansson
Researcher, SU

EM-application specialist. Expert in nanoparticle analysis using SEM and TEM.