



FRIDAY
September 1

<http://www.centrocongressi.unina.it/via-partenope/>
via partenope, 36, Napoli

OPENING SESSION

14:30–15:00 **BAGLIONI, PADUANO:** 30 years of science at CSGI

SESSION 1

CHAIR:
M. MONDUZZI

SOFT MATTER 1

15:00–15:30 **LINDMAN:** Hydrophobic interactions control the self-assembly of surfactants, DNA and cellulose

15:30–15:45 **RUSSO KRAUSS:** Beyond canonical surfactants: chemico-physical characterization of glycolipid biosurfactants

15:45–16:00 **CANGIANO:** Lipopolysaccharide biorecognition by means of aptamers: a Neutron Reflectometry study on the biorecognition interaction

16:00–16:15 **TOMASELLA:** Tuning the stability nanoparticle layers at the air/water interface by protein-decoration

16:15–16:45 **Coffee break and POSTER SESSION**

SESSION 2

CHAIR:
C. ROSSI

BIOTECH & ENVIRONMENT

16:45–17:00 **FROSI:** Food Upcycling: evaluation of different Lombard cereal by-products as innovative antiglycative agents

17:00–17:15 **MARINO:** Understanding the spatio-temporal behavior of crops using remote sensing data in an organic farming system

17:15–17:30 **BELLAZZI:** Thermophilic membrane reactor for high strength wastewater treatment and biological sludge minimization

17:30–17:45 **CAMPANA:** Green solvents for a sustainable chemistry

17:45–18:00 **BOLDRINI:** Microplastic pollution: effects on marine dissolved organic matter dynamics

18:00–18:15 **NARDIN:** Chemical methods and protocols for quality and traceability of food products in the context of the Agritech Project

18:15–19:00 **POSTER SESSION**

SATURDAY
September 2

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SESSION 3

CHAIR:
P. BAGLIONI

SOFT MATTER 2

9:00–9:30

AMBROSIO: Tailoring the functionality of polymer based biomaterials and their interfaces

9:30–9:45

DI FRANCO: Kelvin Probe Force Microscopy-based analysis of few antigen-antibody bindings at a large-area bio-functionalized surface

9:45–10:00

CAMBIOTTI: Destruction of mature insulin amyloid fibrils through plasmonic excitation

10:00–10:15

CAMPIONE: Polymeric electroactive P3HT-MWCNT composites for bioelectronic applications

10:15–10:30

SACCO: Advanced extracellular matrix mimics with controlled mechanics for the study of cell mechanosensing

10:30–11:00

Coffee break and POSTER SESSION

SESSION 4

CHAIR:
M. CABRINI

ART RESTORATION, HARD MATTER, THEORY & MODELLING

11:00–11:15

CASINI: Tailoring the structural properties of Jin Shofu starch nanoparticles via nano-precipitation: Towards sustainable nano-consolidants for art conservation

11:15–11:30

COFFETTI: Lime-based binders for the conservation of ancient mosaics

11:30–11:45

CARTA: The generation of new interfaces as a primary process leading the solid-state mechanochemical

11:45–12:00

GALLUCCI: Hierarchical 3D self-assembly of coated metal oxide nanoparticles

12:00–12:15

BRANCATO: Simulating the chemical equilibria of metal complexes: Insights into the ligand exchange mechanism

12:15–12:30

SAGRESTI: Expanding the Chemical Space of Tetracyanobuta-1,3diene (TCBD) through a Cyano-Diels-Alder Reaction

13:00–14:15

Light Lunch

SESSION 5

CHAIR:
D. BERTI

SOFT MATTER 3

14:15–14:30

KRAUTFORST: Photoactive pigments from *Ulva Rigida* encapsulated in cubosomes for anti-cancer treatment in Photodynamic Therapy

14:30–14:45

BALESTRI: Hybrid lipid-copolymer assemblies as multidomain functional materials

14:45–15:00

PEPI: Sodium hyaluronate derivative with enhanced affinity towards MMP12 catalytic domain to be used as viscosupplement

15:00–15:15

MUGNAINI: Photocross-linked gelatin methacryloyl microparticles prepared by double emulsion method for drug delivery

15:15–15:30

MATEOS: Surfactant effect on feline coronavirus

15:30–15:45

LAURATI: Transition from active motion to anomalous diffusion of *Bacillus subtilis* confined in hydrogel matrices

16:00–17:00

Beverages and POSTER SESSION

SESSION 6

CSGI HERITAGE

17:00–17:50

ROUND TABLE

17:50–18:00

CONCLUDING REMARKS

19:45–

SOCIAL DINNER

Please download the most updated version online using these QR codes.

PROGRAM:



BOOK OF ABSTRACTS:

