



DOTTORATO IN SCIENZE CHIMICHE E DEI MATERIALI

DOCTORAL SCHOOL IN CHEMISTRY AND MATERIALS SCIENCE

DIPARTIMENTO DI CHIMICA E CHIMICA INDUSTRIALE - UNIVERSITÀ DI PISA
POLO S. CATALDO - VIA MORUZZI 13, 56124 PISA



SEMINARI DI PRESENTAZIONE DEI PROGETTI DI DOTTORATO DEGLI ALLIEVI DEL 38° CICLO DI DOTTORATO

Lunedì 14 ottobre 2024, dalle ore 14.30 - Aula F/022

MARCO BAZI

“Lanthanide/Platinum metallo-ligands: design strategies to heterometallic complexes and applications”

Supervisor: Prof. Luca Labella and Prof. Simona Samaritani

MATTEO PUGLIESI

“Design of Earth-abundant transition metal-based electrocatalysts for sustainable electrolysis”

Supervisor: Dr. Claudio Evangelisti and Prof. Fabio Marchetti

LORENZO BONALDI

“Thermochemical and catalytic processes for the sustainable production of biofuels through biomass conversion”

Supervisor: Prof. Anna Maria Raspolli Galletti and Prof. Luca Rosi

STEFANIA VOLANTE

“Energy storage devices: development and characterisation of components of new materials for batteries and supercapacitors issues”

Supervisor: Prof. Claudia Antonetti and Dr. Domenico Licursi

LUCA GHERARDI

“Impact of stereochemistry on the activity of oligonucleotide-based therapeutics”

Supervisor: Prof. Lorenzo Di Bari and Dr. Salvatore Demartis



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SEMINARI DI PRESENTAZIONE DEI PROGETTI DI DOTTORATO DEGLI ALLIEVI DEL 38° CICLO DI DOTTORATO

Martedì 15 ottobre 2024, dalle ore 14.30 on line al link

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NzNkYjkzMjEtYjNlMyooOTEwLWEzZjUtYWMyNTZkOTNmYTE2%40thread.v2/o?context=%7b%22Tid%22%3a%22c7456b31-a220-47f5-be52-473828670aa1%22%2c%22Oid%22%3a%22d10ab6ca-87fb-43bf-9284-ddff5868b7eb%22%7d

VANESSA MATTEUCCI

“Controlled thermolysis of recycled polymeric materials for innovative and sustainable bituminous compounds for application in resilient low-noise asphalts and ‘warm asphalt’ with high content of reclaimed asphalt pavement”

Supervisor: Prof. Andrea Pucci and Dr. Camillo Cardelli

SARA BENETTI

“Exploring reactivity pathways on a diiron framework to access new organometallic complexes for aqueous applications”

Supervisor: Prof. Fabio Marchetti and Dr. Lorenzo Biancalana

ALBERTO CERCHIAI

“Development of an electrochemical sensor for the detection of hydrogen”

Supervisor: Prof. Fabio Di Francesco and Prof. ssa Elisa Martinelli

FRANCESCA NERLI

“Development of new Metal-Organic Frameworks as adsorbents for biogas upgrading”

Supervisor: Prof. Marco Taddei and Prof. Marco Lessi

MATILDE BENEDETTINI

“Analysis and development of hydrophobic and oleophobic “fluorine-free” modifiers for paper”

Supervisor: Prof. Valter Castelvetro and Prof. Marco Lessi

*I seminari avranno durata di circa 20' inclusa la discussione



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SEMINARI* DI PRESENTAZIONE DEI PROGETTI DI DOTTORATO DEGLI ALLIEVI DEL 38° CICLO DI DOTTORATO

Mercoledì 16 ottobre 2024, dalle ore 14.30 - Aula F/022

ELENA DI GREGORIO

“Field-effect systems and 2D nanomaterials for biological applications”

Supervisor: Dr. Tommaso Lomonaco and Dr. Pietro Salvo

PIERMARCO SARACENO

“Development and application of methods for excited-state dynamics and spectroscopy of multichromophoric systems”

Supervisor: Dr. Lorenzo Cupellini and Prof. Fabrizio Santoro

PATRIZIA MAZZEO

“Novel approaches to simulate Proton-Coupled Electron Transfer processes in biological systems”

Supervisor: Prof. Benedetta Mennucci and Dr. Lorenzo Cupellini

IVAN GIANNI'

“Scalable approaches to static and dynamic electronic correlation”

Supervisor: Prof. Filippo Lipparini and Prof. Claudio Amovilli

ANDREA GIOVANELLI

“Synthesis and Solid State NMR characterization of novel ionic conductive polymeric membranes”

Supervisor: Prof. Marco Geppi and Prof. Andrea Pucci

ALBERTO SANTONOCITO

“Plasmonics metasurfaces for enhanced chiral light-matter interactions”

Supervisor: Prof. Francesco Pineider and Dr. Guido Toci

*I seminari avranno durata di circa 20' inclusa la discussione