

EE days, Enjeux Ecologiques | Programme

Inscription obligatoire, lien à retrouver sur l'intranet de l'ESPCI Paris – PSL

Lundi 20 juin 2022

9h00 – 9h15

Introduction

Matériaux et Catalyse

9h15 - 9h30

Amandine Guérinot, C3M

"Back to the iron age : earth-abundant metal catalysis in molecular synthesis"

9h30 – 9h45

Andrew Griffiths, CBI

"Enzymatic plastic recycling"

9h45- 10h00

Francois Tournilhac, C3M

"Biobased self-healing elastomers for soft robotics"

10h00 – 10h15

Raphaëlle Kulis, Alba Marcellan & Etienne Barthel, SIMM

"So close but ultimately so different – micromechanics reveals the contrasted response of synthetic and bio-sourced polyesters".

10h15 – 10h30

Pause

10h30 - 10h45

Georges Mouchaham, IMAP

"Hybrid porous solids as emergent sorbents for the CO2 capture"

10h45 – 11h00

Zhuoying Chen, LPEM

"Colloidal and hybrid strategies for solution-processed energy harvest"

11h00 – 12h00

Emmanuelle Guillard, Saint Gobain
Procédés pour le Verre

12h – 14h

Buffet terrasse IPGG

14h – 15h

les étudiants de l'école

Germain Lhostis RTE

Benjamin Valette

Etudiants et initiatives éudiantes

Energie et Eau

15h00 – 15h15

Rémi Carminati, Institut Langevin

"Partially ordered scattering materials for controlling visible and infrared radiative properties"

15h45 – 16h

Anne Mongruel, PMMH

"Dew water harvesting : from physics to engineering"

16h00 – 16h15

Annie Colin, CBI

"Blue energy"

16h30 – 16h 45

Julien de Rosny, Institut Langevin

"Ambient Backscatterer for (almost) energy free communications"

16h45

Vanessa Pimenta, IMAP

"MOFs and related composites for energy applications"

17h00

Jean-Baptiste d'Espinose de Lacaillerie, SIMM

"Revamping concrete and cement chemistry for sustainable constructions"

Mardi 21 juin 2022

Technologies de détection et procédés

9h00 – 9h15

Ignacio Izeddin, Institut Langevin
"Detection of viruses and nanoparticles in aqueous environment by common-path interferometry"

9h15 – 9h30

Valerie Pichon, CBI
Environmental monitoring with green analytical tools

9h30 – 9h45

Gabrielle Poncet, Laboratoire Plasticité du cerveau
Pesticides make us shake !

9h45 – 10h00

Evelyne Kolb, PMMH
"Root growth in compacted soils"

10h00 – 10h30

Pause

10h30 – 10h45

Ranjith Kumar, Massamba Ndiaye, Yann Verdier et Joelle Vinh, SMBP
Monitoring microbial communities to conserve ecosystems

10h45 – 11h00

IMAP
"MOF et VOC »

11h00 – 11h15

Benjamin Laroche, C3M
"Continuous-flow synthesis with heterogeneous catalysts : towards an sustainable organic synthesis"

11h15–12h15

Bertrand Guenet, ENS Paris – PSL
Conférence Invitée
"CO2 et sol"

Environnement

14h15 – 14h30

Cécile Monteux, SIMM
Foams for the recycling of metals in electronic wastes

14h30 – 14h45

Emilie Verneuil, SIMM
Flows of emulsions through a porous media : from model drops through a single pore to filtration processes.

14h45 – 15h00

Philippe Claudin , Benoit Semin, PMMH
"How can experimental physics contribute to atmospheric sciences ?"

15h00 – 15h15

David Lacoste, Gulliver
"modèle d'adaptation d'une population biologique à un environnement incertain"

15h30

Café sur la terrasse de l'IPGG