

Annual meeting of GDR NiNo – Inorganic Nanostructures by Solution Chemistry

“Anisotropic colloidal nanosystems: nanoplatelets, nanowires and ultrafine systems”

ENS de Lyon, June 17-19, 2024

Organisers: Benjamin Abécassis, Peter Reiss

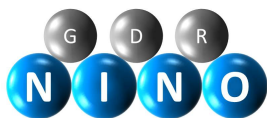
Venue:

ENS de Lyon Site Descartes,
Institut Français de L'éducation
19 All. de Fontenay, 69007 Lyon



17/06 - Day 1

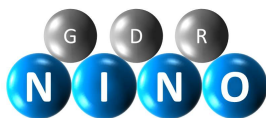
14:00 - 14:10	<i>Opening of the meeting</i>
14:10 - 14:50	<i>Invited speaker</i> - Lauth Jannika (Universität Tübingen) <i>A Chemical Roller Coaster to Innovative Photonics: From aligning CdSe nanoplatelets in polymer fibers to PbS nanoplatelets with sub-meV photoluminescence and flat PbSe and PbTe quantum dots</i>
14:50 - 15:15	<i>Contributed talk</i> - Soulantika Katerina (LPCNO, Toulouse) <i>Synthesis of ultrathin 2D Pt and PtPd nanostructures</i>
15:15 - 15:30	<i>Flash talk</i> - Siaugue Jean-Michel (PHENIX, Paris) <i>Synthesis, Characterization and Cellular Internalization of Anisotropic Magnetic Nanoparticles</i>
15:30 - 16:00	<i>Coffee break</i>
16:00 - 16:25	<i>Contributed talk</i> - Zou Qilin (PMS, Palaiseau) <i>Optimization of anisotropic LaPO₄:Eu³⁺ nanorods as polarized luminescence probes in fluid flow</i>



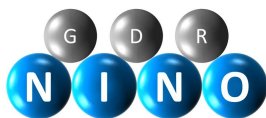
16 :25 - 16 :40	<i>Flash talk</i> - Shahmanesh Ashkan (Monaris, Paris) <i>Synthesis and magnetic properties of uniform populations of cubic maghemite nanoparticles with tunable size and surface chemistry</i>
16 :40 - 17 :05	<i>Contributed talk</i> - Maksem Mélik (LPCNO-NCO, Toulouse) <i>Intégration de nanoparticules magnétiques douces sur inductances planaires pour applications RF</i>
17 :05 - 17 :30	<i>Contributed talk</i> - OH Jisoo (PMC, Ecole Polytechnique, Palaiseau) <i>Continuous Anisotropic Growth and Assembly of Cs_xWO_{3-y} Nanocrystals Exhibiting Linearly Polarized Near-infrared LSPR</i>
17 :30 - 17 :55	<i>Contributed talk</i> - Sidhoum Charles (Collège de France, Paris) <i>Shedding Light on the Birth of Hybrid Perovskites: A Correlative Study by In-situ Electron Microscopy and Synchrotron-Based X-ray Scattering</i>

18/06 - Day 2

09 :30 - 10:10	<i>Invited speaker</i> - deMello Donega Celso (Utrecht University) <i>Ultrathin CdTe Magic-Size Nanowire and Nanosheets: Where Does the Magic Come from?</i>
10 :10 - 10:35	<i>Contributed talk</i> - FU Ningyuan (LPEM, Paris) <i>Synthesis of thick HgCdSe nanoplatelets by cation exchange catalyzed by silver ions, showing amplified spontaneous emission</i>
10 :35 - 10:50	<i>Flash talk</i> - RIVAUX Céline (CEA/ IRIG/SyMMES/STEP, Grenoble) <i>Continuous flow synthesis of Quantum dots and use of Machine Learning to improve the results</i>
10 :50 - 11:20	<i>Coffee break</i>
11 :20 - 11 :45	<i>Contributed talk</i> – Guillemeney Lilian (ENS de Lyon) <i>Ligand Tail Controls Shape Shifting of Indium Sulfide Ultrathin Nanoribbons</i>
11 :45 - 12 :00	<i>Flash talk</i> - Bonetti Marcello (PMC École Polytechnique, Palaiseau) <i>Dynamics and Alignment of LaPO₄:Eu Nanorods Under Flow or Electrical Field</i>



12 :00 - 12 :25	<i>Contributed talk</i> - DUTTA Sarit (Laboratoire de Chimie, ENS de Lyon) <i>Role of ligand-induced surface stresses in controlling shapes of ultrathin colloidal nanoplatelets</i>
12 :30 - 14:00	<i>Lunch break</i>
14 :00 - 14 :40	<i>Invited speaker</i> - Ithurria Sandrine <i>Design of II-VI semiconductor nanoplatelets: from the inorganic core to the organic shell of ligands</i>
14 :40 - 15 :05	<i>Contributed talk</i> - Landaburu Guillaume (ENS de Lyon) <i>Chiroptical properties of semiconducting nanoplatelets functionalized by tartrate derivatives</i>
15 :05 - 15 :30	<i>Contributed talk</i> - Mariani Pablo (Laboratoire de Chimie de l'Ecole Normale Supérieure de Lyon (UMR 5182), Lyon) <i>Colloidal Assemblies of Anisotropic and Chiral Plasmonic Nanoparticles</i>
15 :30 - 16:00	<i>Coffee break</i>
16 :00 - 16 :25	<i>Contributed talk</i> - AUSSONNE Alexis (Laboratoire de Chimie de Coordination, Toulouse) <i>Organometallic synthesis of colloiddally stable small MoS₂ nanoparticles</i>
16 :25 - 16 :40	<i>Flash talk</i> - Stepanova Anna (CEA/ IRIG/SyMMES/STEP, Grenoble) <i>Heat-up approach for the synthesis InP/ZnS alloy quantum dots</i>
16 :40 - 17 :05	<i>Contributed talk</i> - Marccone Jules (Laboratoire de Physique des Solides, Orsay) <i>Depletion driven self-assembly of silver-gold pentagonal nanoprisms</i>
17 :05 - 17 :30	<i>Contributed talk</i> - Wagnon Benoît (Laboratoire de Chimie de l'ENS de Lyon) <i>Role of water in the self-assembly of colloidal CdSe nanoplatelets</i>
19:30	<i>Gala Dinner</i> <i>Restaurant VATEL (8 Rue Duhamel)</i>



19/06 - Day 3

09 :30 - 10:10	<i>Invited speaker</i> - Ifante Ivan <i>Surface Reconstructions in Quantum Dots</i>
10 :10 - 10:35	<i>Contributed talk</i> - Valleix Rodolphe (ENS Lyon) <i>Surface passivation of III-V and II-VI nanocrystals using metal fluorides</i>
10 :35 - 10:50	<i>Contributed talk</i> - Defoy Emile (LCMCP, Paris) <i>Topochemical syntheses in molten salts</i>
10 :50 - 11:20	<i>Coffee break</i>
11 :20 - 11 :45	<i>Contributed talk</i> - Jakoobi Martin (LCC Toulouse) <i>Tackling the catalytic reactivity of bulk materials by going nano-scale: synthesis of colloiddally stable MoOx nanoparticles and their reactivity</i>
12 :00 - 12 :25	<i>Contributed talk</i> - Lledos Sébastien (LPCNO, Toulouse) <i>Anisotropic self-assembly of ultra-small platinum nanoparticles with peptidic polymers.</i>
12:20	<i>Closing remarks, presentation prizes</i>