



Thursday, May 22nd



Amphi Ampère, Lippmann Building

9h00

Welcome Words – Opening remarks from the director

9h10-10h20

Session 1 – Talks from 1st-Year PhDs (5+1 min)

1. **Simon Milcent:** *Multiple Scattering Theory Through Stained Glass*
 2. **Arthur Allen:** *2D van der WAALS layerS for sub picosecond UltraSonics*
 3. **Rachel Piednoir:** *Triboelectricity at the solid-liquid interface*
 4. **Stepan Tiaglo:** *High-pressure investigation of wavelength-tuneable nanowire-based quantum light sources in telecom bands*
 5. **Yuqian Zou:** *(Bio-) Molecular Compounds Detection and Analysis with Innovative Nonlinear Optical Methods*
 6. **Lucas Perez:** *Measure of an XUV temporal profile by emission perturbation*
 7. **Megha Mini Regunathan:** *High-Pressure Effects on Battery Materials*
 8. **Nathan Berrit:** *Opto-mechanical properties of individual plasmonic nanoparticles*
 9. **Alexis Raulin-Foissac:** *Collective Dynamics in Crowded Environments of Decision-Making Entities, Particularly in Very Dense Pedestrian Crowds*
- ◇ Interactive quiz on the presentations

10h20-11h20

Posters & Coffee Break

◇ Posters from 2nd-year PhDs

Maria Bandurist: *Surface chemistry of CdSe nanoplatelets for weighing biological nano-objects*

Kevin Bilai Biloa: *Optimal navigation of Brownian particles in disordered environments*

Chloé BRAUX: *Probing Creep and Subcritical Rupture in Heterogeneous Materials*

Peng CHEN: *Growth and characterization of Ce³⁺ doped Al₂O₃-YAG binary and Al₂O₃-YAG-ZrO₂ ternary eutectic ceramics*

Juliette Codevelle: *Multiparametric analysis of growth, cell state and structure in colorectal tumor spheroids with an agarose microwells platform*

Lilou Duplantier: *Photodissociation Charge Detection Mass Spectrometry (CDMS)*

Kilian Duplat: *Criticality and predictability of scale invariant avalanches*

Jesus Fernandez: *Contactless ageing of dense colloidal suspensions*

Mohammad Imran Shaik: *Home Built VIPA Based Brillouin Spectrometer for Probing Acoustic Modes in Self Assembled Nanoparticles*

Thi Thu Dung LIEN: *Colloidal 2D hetero-nanostructures to study delocalized excitons with charge transfer character*

Frederik MENN: *Probing the Conformational stability of Proteins from solution to the gas phase combining Lasers, Mass Spectrometry and Ion Mobility*

Joseph Moreau: *Embedded magnetic nano-clusters for thermoelectricity*

Nicolas Pruneau: *Large sapphire crystals grown by the Kyropoulos technique – Optical scans to improve crystal quality*

Damien Rinnert: *Excited-state absorption assisted by photonic crystals for upconversion and photon-avalanching*

Eliot Saurety: *Structural evolution in a 2D granular fault*

Margherita Vittuci: *Ultrafast heat exchange at solid liquid interfaces*

Iryna Yakushiko: *Reversible mechanochemistry: polarimetry study of polymers containing chiral molecules*

11h20-12h30 **Session 2 – Talks from 1st-Year PhDs (5+1 min)**

1. **Maxime Stapelle:** *A quick look at pedestrian trajectories...and a first glance at other active modes*
2. **Zebin Wang:** *Growth and Characterization of Rare Earth Doped YAG Crystals with Different Colors*
3. **Loan Tricaud:** *Ultrasonic waveguiding with plant-based phononic material*
4. **Nathanael Braos d'Urso:** *Migration of particles in Ice*
5. **Etienne Huguet:** *Plaster foam solidification*
6. **Yann Grappe:** *Growth simulation of the metal / elastomer interphase used in tires.*
7. **Jialin Hu:** *Disordered Plasmonic Metasurfaces for Highly-Contrasted Goniochromatic Effects: Modelling and Optical Characterization*
8. **Lou-Ann Goutier:** *Optoacoustic characterization of the mechanical properties of developing roots*
9. **Benjamin Buhl:** *Fluctuations and elasticity in polar active solids*

◇ Interactive quiz on the presentations

12h30-14h00 **Lunch Break & Team-Building Activities**

◇ Picnic in front of the Lippmann Building

14h00-15h00 **Session 3 – Talks from 1st-Year PhDs (5+1 min)**

1. **Rocco Suanno:** *Oscillatory driving of spinodal decomposition*
2. **Quentin Gotti:** *Study and understanding of the freezing behavior of double emulsions - Study of thermal and osmotic effects.*
3. **Samy Guellour:** *Project AISLE*
4. **Arathy Dileep:** *Rare earth-doped microstructures for Integrated Optics made by Pulsed Laser Deposition: On-chip mid-infrared convertor*
5. **Janyce Beaurain:** *Upconversion photocatalyst for H₂ production by water splitting*
6. **Boutheina Reghis:** *DROPDEAD: Mechanobiology of phagocytosis*
7. **Max Marrot:** *Phonon drag effect at the interfaces*
8. **Maël Laupretre:** *Sources laser Tamm excitées électriquement : lasers et tableaux de lasers adressables*
9. **Romain Jandot:** *Growth of large Ti:sapphire crystal for the development of amplifiers at high power, in chirped pulse amplification (CPA) systems and characterizations*

◇ Interactive quiz on the presentations

16h00-17h00 **Round Table: "After the PhD"**

◇ **Industry or public research? What are my other choices and opportunities?**

With **Francis Pagaud** (Postdoc), **Dylan Bissuel** (IE at ILM), **Audrey Sudreau** (Air Liquide) **Camille Perret**, (Scientific Mediation UCBL), **Olga Chashchina**, (CSO start-up)

16h00- 17h00 **Workshops:**

◇ **Tips for a Successful PhD Journey** – How to manage your PhD experience?

With **Natacha Portier** (MCF ENSL)

◇ **How to Sell Yourself!** – The hidden strengths of a PhD student: how to identify and leverage them?

With **Arsène Chemin** (MCF ILM) & **Claire Dessalles** (CR ILM)

17h00 **Awards Ceremony**

🏆 Best Quiz Score | Best Poster | Best Talk

17h30 **PhDs' Day Cocktail**

🍷 Salle de convivialité