

## **Mercredi 31 Mai / Wednesday 31<sup>st</sup> May**

11:30 - 12:30	Accueil / <i>Welcome</i>
12:30 - 13:30	Buffet d'arrivée / <i>Arrival buffet</i>
13:30 - 14:15	Accueil / <i>Welcome</i>
14:15 - 14:30	Ouverture des JPH 2023 / <i>Opening of JPH 2023</i> Lionel Hirsch – IMS Bordeaux
14:30 - 15:30	<i>Tutoriel / Tutorial</i> Nathanaelle Schneider – CNRS IPVF “Atomic Layer Deposition (ALD): a versatile conformal thin film deposition method with atomic-level control for perovskite-based solar cells”
15:30 - 16:00	Pause café / <i>Coffee break</i>
16:00 - 16:40	<i>Invitée 1 / Invited speaker 1</i> Julie Euvrard – Imperial College London “Optoelectronic and transport properties of halide perovskites: characterization and control”
16:40 - 16:55	<i>Oral 1</i> Loic Paillardet – CEA Liten & STMicroelectronics “Perovskite-based NIR photodetectors”
16:55 - 17:10	<i>Oral 2</i> Zuzanna Molenda – IMS Bordeaux “Redox-active substitutional doping of metal halide perovskites”
17:10 - 17:25	<i>Oral 3</i> Thanh-Tuân Bui – LPPI “Molecular engineering of hole transporting molecules for high efficient and enhanced thermal stability perovskite solar cell”
17:25 - 17:40	<i>Oral 4</i> Géraud Delport – CNRS IPVF “Structural and optoelectronics properties of gold based double perovskites semiconductors”
18:00 - 19:30	Session poster et apéritif / <i>Poster session and aperitif</i>
20:00 - 22:00	Dîner / <i>Dinner</i>

## Jeudi 1<sup>er</sup> Juin / Thursday 1<sup>st</sup> June

9:00 - 9:40	<b>Invité 2 / Invited speaker 2</b> Tobias Balthasar Meyer – Solaronix “Commercial applications of Perovskite solar cells and ongoing developments”
9:40 - 9:55	<b>Oral 5</b> Julie Ruellou – LRCS “Thermal and photo-degradation study of a-FAPbI <sub>3</sub> -based perovskite using <i>in situ</i> characterization techniques”
9:55 - 10:10	<b>Oral 6</b> Dongjiu Zhang – LPEM “Colloidal Carbon Quantum Dots for More Stable Perovskite Solar Cells”
10:10 - 10:25	<b>Oral 7</b> Mohamed-Raouf Amara – LPENS “Spectral fingerprint of quantum confinement in single CsPbBr <sub>3</sub> nanocrystals”
10:25 - 10:55	Pause café / <i>Coffee break</i>
10:55 - 11:35	<b>Invitée 3 / Invited speaker 3</b> Yana Vaynzof – TU Dresden “Strategies for Efficient Perovskite Photovoltaics and Beyond”
11 :35 - 11 :50	<b>Oral 8</b> Alexandre Abhervé – MOLTECH-Anjou “Electron's Spin Selectivity in Chiral Lead-Bromide Perovskites”
11:50 - 12:05	<b>Oral 9</b> Maria Chamarro – INSP “Excitons in highly anisotropic lead halide perovskite nanocrystals”
12:05 - 12:20	<b>Oral 10</b> Anthony Maho – ICMCB “Innovative approaches of film processing and interfacial structuration of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and Cs <sub>2</sub> AgBiBr <sub>6</sub> perovskite solar cells towards enhanced light absorption”
12:20 - 14:00	Déjeuner / <i>Lunch</i>
14:00 - 14:40	<b>Invité 4 / Invited speaker 4</b> Dmitry Aldakov – CEA Grenoble “Lead-free perovskite nanocrystals”
14:40 - 14:55	<b>Oral 11</b> Hugo Levy-Falk – ENS Paris-Saclay “Photo-physical Properties of Graphene Quantum Dots on Perovskite Substrates”

14:55 - 15:10	<p><b>Oral 12</b>  Charles Sidhoum – IPCMS  “Shedding light on the birth of hybrid perovskites: a correlative study by In-Situ TEM and synchrotron-based X-Ray scattering studies”</p>
15:10 - 15:25	<p><b>Oral 13</b>  Quang-Huy Do – XLIM  “Fabrication of green light-emitting diodes using CsPbBr<sub>3</sub> perovskite nanocrystals embedded in polymer matrices”</p>
15:25 – 15:55	Pause café / <i>Coffee break</i>
15:55 - 16:35	<p><b>Invité 5 / Invited speaker 5</b>  Iván Mora-Seró - Universitat Jaume I  “Halide Perovskite Devices Beyond Conventional Pb-based Solar Cells”</p>
16:35 - 16:50	<p><b>Oral 14</b>  Eric Gros-Daillon – CEA LETI  “ground-breaking PEROvskite technologies for advanced X-ray medical Imaging Systems”</p>
16:50 - 17:05	<p><b>Oral 15</b>  Ashanti Bergonzoni – INSA Rennes  “Influence of surface ligands on the electronic properties of AgBiI<sub>4</sub> rudorffites nanocrystals”</p>
17:05 - 17:20	<p><b>Oral 16</b>  Pierre Martin – Université Clermont Auvergne  “Room temperature synthesis of green emitting lead-free perovskite inspired manganese halides”</p>
18:00 - 19:30	Session poster / <i>Poster session</i>
20:00 - 22:00	Dîner de gala / <i>Gala dinner</i>

## Vendredi 2 Juin / Friday 2<sup>nd</sup> June

9:00 - 9:40	<b>Invité 6 / Invited speaker 6</b> Mikael Kepenekian – ISCR “Halide perovskites beyond methylammonium lead iodide”
9:40 - 9:55	<b>Oral 17</b> Hai Son Nguyen – INSA Lyon & LuMIn “Long-range and ballistic propagation at room temperature of 75% excitonic fraction polaritons in perovskite metasurface”
9:55 - 10:10	<b>Oral 18</b> Romain Gautier – IMN Jean Rouxel “Deep-learning assisted identification of new hybrid perovskites from X-ray diffraction patterns”
10:10 - 10:25	<b>Oral 19</b> Thi Huyen Trang Nguyen – UVSQ “Donor-Acceptor Pair Transitions in Halide Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ Single Crystals”
10:25 - 10:55	Pause café / <i>Coffee break</i>
10:55 - 11:35	<b>Invitée 7 / Invited speaker 7</b> Monica Lira-Cantu – ICN2 “Stability challenges in Perovskite Solar Cells”
11 :35 - 11 :50	<b>Oral 20</b> Simon Thébaud – INSA Rennes “Tight-binding modelling of layered halide perovskites”
11:50 - 12:05	<b>Oral 21</b> Ferdinand Lédée – CEA LETI “Detailed Analysis and Modelling of the Photocurrent Response of $\text{MAPb}(\text{Br}_{1-x}\text{Cl}_x)_3$ Single Crystals under X-rays”
12:05 - 12:20	<b>Oral 22</b> Yihui CAI – ICPEES “Elaboration of new hybrid perovskite@graphite composites and mixed 2D/3D perovskites with enhanced stability for X-ray detection via a solvent-free mechanochemical approach”
12:35 - 14:00	Déjeuner ou panier repas à emporter / <i>On site or takeaway lunch</i>