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Description automatically generatedTaras Shevchenko National University of Kyiv**

**University of Lorraine**

1st Workshop

**Green Energy Technologies for the Future**

**21 September 2023**

**11:00-17:00 (Kyiv time, GMT+3)**

Join Zoom Meeting

https://cnrs.zoom.us/j/93353775266?pwd=WnZ3TXVlMjRJVlZtSWh5QnVUMVRPQT09

Meeting ID: 933 5377 5266 Passcode: 1-KNU-LU

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| PROGRAM | |
| *11:00-11:15* | ***Opening ceremony. Representation of participants.*** |
| *11:15-11:30* | ***Collaboration between Taras Shevchenko National University of Kyiv and University of Lorraine: main areas and perspectives.***   * **Prof. Volodymyr BUGROV***(Rector, Taras Shevchenko National University of Kyiv)* * **Prof. Olena IVANIK***(Institute of Geology, Taras Shevchenko National University of Kyiv; CRPG, University of Lorraine)* |
| *11:30-11:50* | ***Green Energy Transition: from the Global Challenges to University of Lorraine strategy***   * **Prof. Fabrice LEMOINE** *(vice-president in charge of European strategy at the University of Lorraine, University of Lorraine)* |
| *11:50-12:00* | ***Presentation of pole EMPP (Energy, Mechanics, Processes & Products) @ Lorraine University***   * **Prof. David LACROIX***(Director, Pôle Scientifique EMPP, University of Lorraine)* |
| *12:00 -12:20* | ***Solar cell materials: simulation, optical and photoelectric characterization***   * **Prof. Sergii KONDRATENKO***(Department of Optics, Faculty of Physics, Taras Shevchenko National University of Kyiv)* * **Prof. Oleg OLYKH***(General Physics Department, Faculty of Physics, Taras Shevchenko National University of Kyiv)* |
| *12:20-12:40* | ***Hybrid perovskites as multifunctional semiconducting materials***   * **Dr. Illia GURALSKI***(Department of Physical Chemistry, Faculty of Chemistry, Taras Shevchenko National University of Kyiv)* |
| *12:40-13:00* | ***Nanomaterials for hydrogen storage and generation***   * **Prof. Valerii SKRYSHEVSKYI***(Department of Nanophysics of Condensed Environments, Educational and Scientific Institute of High Technologies, Taras Shevchenko National University of Kyiv)* |
| *13:00-13:20* | ***Geothermal energy and resources: perspectives for Ukraine and joint projects***   * **Prof. Olena IVANIK***(Institute of Geology, Taras Shevchenko National University of Kyiv; CRPG, University of Lorraine)* |
| *14:30-14:50* | ***Energy Transfer, Conversion and Storage for Green Energy Transition***   * **Dr. Mykola ISAIEV***(LEMTA, CNRS, University of Lorraine)* |
| *14:50-15:10* | ***Electrification: Key to Energy Transition***   * **Dr. Ehsan JAMSHIDPOUR** *(GREEN, CNRS, University of Lorraine)*and **Prof. Noureddine TAKORABET** *(director of GREEN, CNRS, University of Lorraine)* |
| *15:10-15:30* | *LRGP* |
| *15:30-15:50* | ***First Principles Modelling of Photoactive Materials and Interfaces for Solar Energy Conversion***   * **Dr. Mariachiara PASTORE***(LPCT, CNRS, University of Lorraine)* |
| *15:50-16:10* | *Georesources?* |
| *16:10-17:00* | ***Discussions and conclusions*** |

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