



GRADUATE
SCHOOL
**SOLAR
ACADEMY**



CONVENTION

Espace Grand-Bo
Mairie du Grand-Bornand
74450
Le Grand-Bornand

HOUSING AND RESTAURANT

Le Savoy
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Le Grand-Bornand

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DATASUN SCIENTIFIC SCHOOL

14-18 November 2022

Le Grand-Bornand



Chair	14 NOVEMBER <i>Lamia Berrah</i>	15 NOVEMBER <i>Nadia Barbero</i>	16 NOVEMBER <i>Christophe Ménézo</i>	17 NOVEMBER <i>Monika Woloszyn</i>	18 NOVEMBER <i>Etienne Wurtz</i>
	Le Bourget-du-Lac		Le Grand-Bornand		
08:30					
09:00	Welcome coffee				
	Mathieu David PIMENT - UR, FRANCE <i>Solar energy forecasts and their value for the stakeholders of the energy sector</i>	Alexandre Benoit LISTIC - USMB, FRANCE <i>Explainable AI for earth observation</i>	Roberto Castello EPFL, SUISSE <i>Data-driven methods for a large-scale integration of photovoltaic technology in the built environment</i>	Robert Blaga UVT, ROUMANIE <i>Modelling chains for solar resource assessment in the presence of aerosols</i>	Marion Perrin OSCARO POWER, FRANCE <i>Solar digitization, a necessity for massification before and after installation. How data collection helps optimize sizing, operating and sharing?</i>
10:30	BREAK				
11:00	Leon Gaillard HELIOCITY, FRANCE <i>Remote diagnostic analysis of solar photovoltaic installations</i>	Evelina Trutnevyte UNIGE, SUISSE <i>Solar PV futures: from national to global levels</i>	Gilles Desthieux HEPIA - HES-SO, SUISSE <i>Solar modelling tools for energy urban planning. Application to the solar cadaster of the Greater Geneva</i>	Demba Diallo GEEPS - UPS, FRANCE <i>Contribution to fault diagnosis of PV modules: analysis of I-V curves</i>	François Maréchal EPFL, SUISSE <i>The importance of systemic approach for the energy transition</i>
12:00	Presentation Solar Academy/ USMB/INES/CEA				
12:30	LUNCH				
14:00	Visit of INES and INCAS platform	Noura Al Akkari <i>Solar energy prediction using ML algorithms on MATLAB</i> LAMA - USMB - CEA Apolline Ferry <i>Solar potential indicators with QGIS</i> LOCIE - USMB Alexandre Mathieu <i>Photovoltaic fault detection with Python (Jupyter Notebook)</i> HELIOCITY - CSTB - USMB	Robert Blaga <i>An introduction for working with solar data in R</i> UVT Martin Thebault <i>Solar potential indicators with QGIS</i> LOCIE - CNRS Alexandre Mathieu <i>Photovoltaic fault detection with Python (Jupyter Notebook)</i> HELIOCITY - CSTB - USMB	Activities	
16:00	BREAK				
16:30	Travel to Le Grand-Bornand	Poster session	Noura Al Akkari <i>Solar energy prediction using ML algorithms on MATLAB</i> LAMA - USMB - CEA Apolline Ferry <i>Solar potential indicators with QGIS</i> LOCIE - USMB Robert Blaga <i>An introduction for working with solar data in R</i> UVT	Poster session	Departure from Le Grand-Bornand (13:30) <i>Arrival at Chambéry train station at 15:30 and Le Bourget-du-Lac at 16:00</i>
18:30					
19:30	Gala dinner				