

## " Call for applications for Summer Schools " grants program, Edition 2018

List of selected projects (alphabetical order)

Decision of the Board of Trustees

Summer School	Subject	Principal investigator
Exposome-Surf64	<p>A one-week summer school focusing on practical application. The summer school will consist in a 5-days supervised group work using real data sets and addressing real research questions on OMICs analysis, interpretation and integration.</p> <p>The course also includes a series of lectures, seminars, and tutorials illustrating solutions to OMICs profiling and integration in a real-life setting.</p>	Benoit LIQUET
Future of organic photovoltaic, FOREVER	<p>Overview of existing technologies and emphasis on specific aspects of emerging PV. This program will be transdisciplinary between chemistry and physics, but also theories with modelling.</p> <p>Axes: photovoltaic energy conversion (inorganic and organic), materials for OPV (donor and acceptors for the active layer, interfacial layers), state of the art of dye-sensitized solar cells, state of the art on perovskite solar cells based (and new concepts), hybrid solar cells, advanced characterisations (microscopies, spectroscopies, synchrotron...), material modelling, device modelling, formulation of inks, solution processing.</p>	Christine LARTIGAU-DAGRON
Pore scale imaging and image analysis	<p>The course will focus on techniques for image acquisition, processing and analysis in view of applications in the field of (geo-) mechanics and digital rock physics.</p> <p>The school is conceived as a unique combination of theory and practical work. The format of the school includes morning sessions, where the fundamentals are taught by (international) top-experts in the field, and afternoon sessions, where theory is applied through practical exercises and workshops.</p>	Peter MOONEN

E2S Executive Director,

Gilles Pijaudier-Cabot