

## Materials

Thursday, 28<sup>th</sup> September, 2017

8h45	Coffee and welcome
9h00	<b>Introduction</b> : Co-responsible of the Collegium SMYLE
9h10 –9h45	<b>Structuring of thin films and resulting properties</b> Nicolas Martin, FEMTO-ST, <a href="http://www.femto-st.fr">www.femto-st.fr</a>
9h45 –10h20	<b>Architecturation of PVD coating</b> Alain Billard, FEMTO-ST, LERMPS, <a href="http://lermps.utbm.fr">http://lermps.utbm.fr</a>
10h20 –10h55	Coffee break
10h55 –11h30	<b>Advanced functional materials in acoustics and optics</b> Ausrine Bartasyte, FEMTO-ST, <a href="http://www.femto-st.fr">www.femto-st.fr</a>
11h30 –12h05	<b>Novel 2D materials from high-throughput computational exfoliation</b> Marco Gibertini, MARVEL/EPFL Innovation Park, <a href="http://www.nccr-marvel.ch">www.nccr-marvel.ch</a>
12h05	Lunch
13h30 –14h45	<b>Short oral presentations and 1<sup>st</sup> poster session</b>
14h45- 15h20	<b>Fonctional polymers, supramolecular materials</b> (1) Christoph Weder, Adolphe Merkle Institute, Université de Fribourg, <a href="http://ami.swiss">http://ami.swiss</a>
15h20 –15h55	<b>Photonic materials and fiber devices</b> (1) Fabien Sorin, EPFL, <a href="http://fimap.epfl.ch/">http://fimap.epfl.ch/</a>
15h55 –16h30	<b>Industrial application of piezoelectric thin films</b> Paul Muralt, EPFL, <a href="http://www.epfl.ch">www.epfl.ch</a>
18h30-21h30	<b>Games &amp; Dinner</b>

(1) Title to defined (2) Lecturer to be confirmed

## Materials :Applications

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8h45	Coffee and welcome
9h00 –9h35	<b>Sustainable Structural and Multifunctional Biocomposites from Hybrid Natural Fibres</b> <u>Vincent Placet</u> , FEMTO-ST, <a href="http://www.femto-st.fr">www.femto-st.fr</a>
9h35 –10h10	<b>Materials and technologies for soft implantable neuroprostheses</b> <u>Stéphanie Lacour</u> , EPFL, <a href="http://lsbi.epfl.ch">http://lsbi.epfl.ch</a> (2)
10h10 –10h40	Coffee break
10h40 –11h20	<b>Les matériaux pour la dépollution automobile</b> <u>Philippe Vernoux</u> , IRCELYON, <a href="http://www.ircelyon.univ-lyon1.fr">www.ircelyon.univ-lyon1.fr</a>
11h20 –12h30	<b><u>Short oral presentations and 2<sup>nd</sup> poster session</u></b>
12h30	Lunch
14h00 –14h35	<b>Nanomaterials and energy harvesting</b> <u>Laurent Montes</u> , (2) INP Grenoble <a href="http://www.grenoble-inp.fr/">www.grenoble-inp.fr/</a>
14h35 –15h10	<b>Energy and Materials</b> (1) <u>Dominique Perreux</u> , Mahytec SA, <a href="http://www.mahytec.com">www.mahytec.com</a>
15h10 –15h45	<b>Knowledge and Dreams in Engineering: the example of Hydrogen and Superconductivity</b> <u>Louis Schlapbach</u> , Prof.em. ETH/EMPA, NIMS-MANA Tsukuba
16h00 –	Coffee break and end

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