

## Programme of the 2nd Barrande Workshop

Begins Ends

		<b>Wednesday 17th October</b>	
		Arrival of attendants	
18:30	19:30	Small dinner at the Ecole Polytechnique restaurant	
<b>Thursday 18th October</b>			
Seminar room in 408 at LPICM			
8:45	9:00	Morning coffee	
9:00	9:15	<b>Mathieu Wellhoff</b>	<b>French Embassy in Prague</b>
		Welcoming speech to 2nd Barrande Workshop	
9:15	9:40	<b>Henri-Yves Jaffres</b>	<b>Thales, CNRS, Saclay</b>
		Modelling of coherent light source and lasers with spin-polarized currents	
9:40	10:05	<b>Tom Markvart</b>	<b>University of Southampton, UK</b>
		Research at Centre for Advanced Photovoltaics at CTU in Prague: from systems to fundamentals (light harvesting, photonics, ...)	
10:05	10:30	<b>Kamil Postava</b>	<b>Nanotechnology Centre, Ostrava</b>
		Photonic systems and spin-photonic sources: Czech-French research collaboration and joint thesis supervision	
10:30	10:45	Coffee break	
10:45	11:10	<b>Maria Tchernycheva</b>	<b>CNRS, C2N, Universite Paris-Saclay</b>
		Flexible devices based on semiconductor nanowires	
11:10	11:35	<b>Olivier Hardouin Duparc</b>	<b>CNRS, Ecole Polytechnique</b>
		Ab Initio Calculations of Surfaces and Energies of Silicon Hexagonal Diamond Nanowires	
11:35	12:00	<b>Martin Foldyna</b>	<b>CNRS, Ecole Polytechnique</b>
		Recent progress in silicon nanowire solar cells - going from nanoscale to modules	
12:00		Lunch at the University	
14:00		Break	

14:00	14:25	<b>Johannes Berndt</b>	<b>CNRS, Université d'Orléans</b>
		Plasma polymerisation: from nanoparticles to coatings	
14:25	14:50	<b>Vladislav Drinek</b>	<b>Czech Academy of Sciences, Prague</b>
		Nanostructure synthesis at ICPF: two approaches (CVD, PLD)	
14:50	15:15	<b>Petr Kovaricek</b>	<b>Czech Academy of Sciences, Prague</b>
15:15	15:40	<b>Michal Stano</b>	<b>CEITEC, VUT Brno</b>
		Nanomagnetism and spintronics at CEITEC: Magnonics, 3D nanostructures, and magnetic phase transition in Fe and FeRh nanostructures	
15:40	16:00	Coffee break	
16:00	18:00	Laboratory visits	
19:00	22:15	Dinner in the restaurant	

### Friday 19th October

Seminar room in 408 at LPICM

9:00	9:15	Morning coffee	
9:15	9:40	<b>Nicolas Rougemaille</b>	<b>UGA Grenoble</b>
		Probing exotic states of matter using arrays of interacting magnetic nanostructures	
9:40	10:05	<b>Alex Guell</b>	<b>Ecole Polytechnique</b>
		Electrochemical Imaging: New tools for nanoscale electrochemistry and lab-on-a-tip	
10:05	10:30	<b>Jean-Luc Maurice</b>	<b>CNRS, Ecole Polytechnique</b>
		In situ molecular beam epitaxy in the atomic-resolution transmission electron microscope	
10:30	10:55	<b>Charles Hervoches</b>	<b>Czech Academy of Sciences, Prague</b>
		Determination of Residual Stress Distribution in Structural Materials using Neutron Diffraction at CANAM infrastructure	
10:55	12:00	Finalization of the workshop and discussion	
12:00	13:30	Final lunch at Ecole Polytechnique	

Official end of the 2nd Barrande Workshop