



International Summer School on Advanced Materials for Energy



Université du Littoral Côte d'Opale
Saint-Omer, France
December 13–14, 2021

ISSAME Chairs

Dr. Dharmendra SINGH
Dr. Amina TACHAFINE



International Summer School on Advanced Materials for Energy	CET	Monday, 13/12/2021	CET	Tuesday, 14/12/2021
	8.30-9.00	Registration		Chair: Prof. Johan LAUWAERT
	9.00-9.30	Opening Ceremony of ISSAME 2021	9.00-9.45	Lecture 7: Matthieu BECUWE <i>Organic, hybrid and polymer materials for energy</i>
	9.30-10.00	Welcome Reception	9.45-10.30	Lecture 8: Prof. Yogendra Kumar MISHRA (online) <i>Tetrapods based Smart Materials for Advanced Technologies</i>
		Chair: Prof. Stéphane LONGUEMART	10.30-10.45	Coffee Break
	10.00-10.45	Lecture 1: Prof. Jeroen BEECKMAN <i>Ferroelectric thin films for electro-optic modulators, piezoelectric actuation and nonlinear optical conversion</i>	10.45-11.30	Lecture 9: Prof. Luciano DE SIO (online) <i>Green nanoscale biophotonics: from real-time biosensing to photo-thermal therapy</i>
	10.45-11.30	Lecture 2: Prof. Vincent LADMIRAL (online) <i>Macromolecular engineering of electroactive fluoropolymers</i>	11.30-12.15	Lecture 10: Prof. Michael DEPRIESTER <i>Thermoelectric materials: Principle, characterization and modern applications</i>
	11.30-12.15	Lecture 3: Prof. Suleyman ER (online) <i>Automating the virtual discovery of molecules for energy storage</i>	12.15-13.00	Lecture 11: Prof. Stéphane LONGUEMART <i>Refrigeration using electrocaloric effect</i>
	12.15-13.15	Lunch Break	13.00-14.00	Lunch Break
		Chair: Dr. Michael DEPRIESTER		Chair: Prof. Ashok VASEASHTA
	13.15-14.00	Lecture 4: Prof. Ingo DIERKING (online) <i>Polymer stabilisation of liquid crystal structures and phases and their application in smart windows</i>	14.00-14.45	Lecture 12: Prof. Johan LAUWAERT <i>Solar cell simulations via SCAPS</i>
	14.00-14.45	Lecture 5: Prof. Azeez Abdullah BARZINJY <i>Green Synthesis of Nanoparticles: From Preparation to Applications</i>	14.45-15.30	Lecture 13: Prof. Mamatha NAGARAJ (online) <i>Liquid crystals for organic electronic devices</i>
	14.45-15.30	Lecture 6: Prof. Frédéric SAUVAGE (online) <i>Transparent and Colorless Dye-Sensitized Solar Cells</i>	15.30-16.15	Lecture 14: Prof. Mustapha JOUIAD <i>Towards nanomaterials engineering for solar energy harvesting and conversion</i>
	15.30-16.00	Coffee Break	16.15-16.30	Coffee Break
	16.00-17.00	Round Table Discussion <i>Chair Person : Prof. Jeroen BEECKMAN</i>	16.30-17.15	Lecture 15: Dr. Deepak Pratap SINGH (online) <i>Electrochemistry in energy storage and conversion</i>
	17.30-19.30	St. Omer Visit <i>(Théâtre de Saint Omer / La Maison du Marais)</i>	17.15-18.00	Lecture 16: Prof. Mustapha MABROUKI <i>Detection of the photoacoustic signal by an unconventional technique</i>
	19.30-21.30	Gala Dinner (at Château de Tilques) <i>Address : 12 Rue du Château, 62500 Tilques</i>	18.00-19.00	Round Table Discussion <i>Chair Person : Prof. Mustapha JOUIAD</i>
			19.00	Closing Ceremony & Return to Calais