

2022 PACE Young Scientist Conference

	Monday 10 October 2022		
Science	Coffee and Registration		9:30-11:00
Opening Conference		11:00-12:20	
Lunch		12:20-13:3	
	SESSION I Thin film preparation		
Invited talk	Deposition of functional thin films by Spatial Atomic Layer Deposition	David Muñoz-Rojas	13:30-14:10
1	ALD-Deposition of cathodic materials for 3D Li-ion micro batteries – Ongoing results	Antoine Peisert	14:10-14:30
2	Deposition of perovskite based thin films with controlled stoichiometric compositions using a combinatorial deposition process: Chemical Beam Vapour Deposition	Vincent Rogé	14:30-14:50
	Coffee break		14:50-15:05
Invited talk	Aerosol deposited thick films	Hana Ursic	15:05-15:45
3	Processing of piezoelectric thin films on glass by flash lamp annealing	Juliette Cardoletti	15:45-16:05
4	Ferroelectric Lead-Free (K,Na)NbO ₃ Thin Films by Chemical Solution Deposition	Nagamalleswara Rao Alluri	16:05-16:25
	Coffee break		16:25-16:40
5	Effect of annealing atmosphere on ferroelectricity of solution-processed La:HfO ₂ thin films.	Barnik Mandal	16:40-17:00
6	Structural characterization of Sn atomic clusters synthesized by Cluster Beam Deposition	Jose Enrique Martinez Medina	17:00-17:20
	Networking and Social drinks		17:20-18:30
	Dinner		18:30-21:00
	Tuesday 11 October 2022		
	SESSION II Optoelectronic properties		
Invited talk	Induced functionalities by symmetry breaking	Marin Alexe	9:00-9:40
7	How to measure electronic transitions in ferroic oxides?	Christina Hill	9:40-10:00
8	Optical effects in ferroelastic domains and their walls	Georgy Gordeeev	10:00-10:20
	Coffee break		10:20-10:35
Invited talk	Optical properties of transition metal dichalcogenides: single-photon emitters and strain	Florian Libisch	10:35-11:15
9	Optical Properties of highly Anisotropic Crystals	Angelina Gudima	11:15-11:35
10	Birefringence change induced by antiferroelectric switching in transparent PbZr _{0.95} Ti _{0.05} O ₃ film	Pranab Biswas	11:35-11:55
	Coffee break		11:55-12:10
11	Curcuminoid borondifluoride: new dyes for the organic laser diode	Anthony D'Aléo	12:10-12:30
12	Influence of red and blue light on optical and electrical properties of Cu(In,Ga)(S,Se) ₂ and Cu(In,Ga)Se ₂ absorbers	Aubin Prot	12:30-12:50
	Lunch		12:50-13:50



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PROGRAMME



Invited talkMolecular engineering of interfaces for stable and efficient perovskite solar cellsAnurag Krishna13:50-14:3013Synthesis and Characterization of CH3NH3Sh13 Films: A Path Towards Lead- Free Perovskite Solar CellsAjay Singh14:30-14:3014Optimizing front transport layers for achieving high efficiency wide band-gap Cu(In,Ga)Se2 solar cellMohit Sood14:50-15:1015Orid optimization for PV mini-modules employing CIGS micro stripesShilpi Shilal16:05-16:2515Grid optimization for PV mini-modules employing CIGS micro stripesShilpi Shilal16:05-16:2516Inkjet printing of thin chalcogenide semiconductor layers for solar cell applicationsAlice Debot16:25-16:0517Anisotropy-induced fluctuations in Cu(In,Ga)Se2Diego Colombara T7:20-17:4017:00-17:2018Back surface passivation of chalcopyrite solar cells with Metal oxide interlayersDiego Colombara T3:00-17:2017:00-17:2018Accurate composition depth profiling of light elements in thin films (using ion talkDaniel Primetzhofer9:00-9:4019New imaging modalities for thin films imaging Using Helium Ion Microscopy MaterialsDusin Andersen to:00-10:200:03-11:1520Thin Film Characterization of piezoelectric thin filmsNicolas Godard 10:35-11:1510:35-11:1521Helium implantation for tuning functional properties in sol-gel filmsConstance Toulouse11:15-11:1522Atomistic simulations of electrocaloric effects in ferroelectric- superlaticesDiaa Elisa Murillo 11:35-11:15 </th <th></th> <th></th> <th></th> <th></th>					
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25 The role of photovoltaics for the energy transition and its potential in Max Wolter 15:00-16:00 Luxembourg	24	Co-evaporation and characterization of tin-based perovskite films for solar cell	Joana Ferreira	12:30-12:50	
Luxembourg		Standing Lunch & Poster Session		12:50-13:00	
Closing of the conference & Drinks	25		Max Wolter	15:00-16:00	
		Closing of the conference & Drinks			



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