

8h-9h30	SHJ workshop introduction: a global overview			
	Chairs:	Anis Jouini/CEA	Peter Fath/RCT	
8h-8h15		Anis Jouini	CEA INES	General introduction
8h15-8h30		Ignacio Asenjo	European Comission	Introducing the European Union Solar Energy Strategy.
8h30-8h45		Yvonnick Durand	ADEME	France's PV strategy
8h45-9h		Finlay Colville	PV-TECH	The new n-type revolution in PV mass production: global heterojunction capex & production trends
9h-9h15		Thomas Garabetian	SPE	RepowerEU and other European initiatives to promote a resilient European PV value chain
9h15-9h30		Johan Lindahl	ESMC	The geopolitical race for PV manufacturing – will Europe join in?

BREAK

10h-11h	Session 1:	Heterojunction in the PV ecosystem: status and challenges		
	Chairs:	Prof. Zhengxin Liu/SIMIT	Wilfried Favre/CEA	
1		Shravan Chunduri	TaiyangNews	HJT Entering into High Volume Production
2		Dr. Liu	Tongwei/SIMIT	Challenge over 25% production efficiency and low cost of SHJ solar cell
3		Bertrand Paviet Salomon	CSEM	Silicon heterojunction and beyond: R&D prospects
4		Dr. Homer Chen	China SC	TBD

BREAK

11h15-12h45	Session 2:	Understanding heterojunction limitations along the value chain : material to modules		
	Chairs:	Lars Korte/HZB	Olindo Isabella/TU DELFT	
1		Yichun(YC) Wang	LONGI	Market and Technical update of Industrial PV Silicon mono wafer for High Efficiency Products
2		Weiyuan Duan	JÜLICH	Insights into the thermal assisted light soaking effect on Silicon Heterojunction Solar Cells
3		Ana Maria Moldovan	Fraunhofer	Reduction of ressource critical materials in the SHJ production
4		Mikio Taguchi	Panasonic	The UV-light induced degradation in Si heterojunction cell
5		Ivan Gordon	IMEC	Overview of Key Results achieved in the H2020 HighLite Project
6		Vincent Barth	CEA INES	Over the last Decade of BOM HJT Module Qualification at CEA INES

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14h15-15h15	Session 3:	Heterojunctions: the first pillar for the tandem technology		
	Chairs:	Ivan Gordon/IMEC	Ana Maria Moldovan/ISE	
1		Lars Korte	HZB	Challenges in Perovskite/silicon heterojunction tandem integration
2		Laura Miranda	OxfordPV	Perovskite-on-silicon: a photovoltaic technological disruption
3		Prof. Xiaodan Zhang	Naikai University	Silicon heterojunction based tandem solar cells
4		Quentin Jeangros	CSEM	Perovskite/Si tandems on flat and textured wafers with an efficiency >30%

BREAK

15h45-16h45	Session 4:	MUST TO BE: eco design and circularity		
	Chairs:	Nouha Gazbour/CEA	Bertrand Paviet Salomon/CSEM	
1		Theresa Barnes	NREL	Material and Energy Impacts of Silver Utilization in High Efficiency Silicon Cells at the Terawatt Scale
2		Alexis Barrou	CSEM	Toward a Sustainability-Driven Technological Roadmap for PV: Case Study with the Silicon Heterojunction Technology
3		Claire Agraffeil	CEA INES	New recycling technologies for PV waste management integrated in a circular model - PHOTORAMA
4		Monica Aleman	Becquerel Institute	From social acceptance concepts to PV deployment

04/11/2022

8h-9h	Keynote session			
	Chairs:	Delfina Muñoz/CEA	Mikio Taguchi/Panasonic	
8h-8h30		Peter Fath	RCT Solutions	Establishing Multi GW PV manufacturing
8h30-9h		Cosimo Gerardi	EGP	Si Heterojunction PV Technology for GW scale manufacturing challenge in Europe: The 3SUN Gigafactory Program

9h-10h15	Session 5:	Equipment and processing of HJT technology: cells and modules		
	Chairs:	Eszter Voroshazi/CEA	Dr. Liu/SIMIT	
1		Dr. Martin Dimer	von Ardenne	PVD equipment for HJT cell production, today & tomorrow
2		Alessandro Voltan	AMAT	fast Light Soaking for inline cell efficiency improvement
3		Peter Wolf	Maxwell	Maxwell high efficiency low cost HJT turnkey-line solution
4		Marwan Dharmin	TOYAL	Silver-Coated Aluminum and Copper Low Temperature Pastes for Heterojunction and Tandem Solar Cells
5		Iñaki Madina	Mondragon	Next generation Equipment for HJT module technologies (and beyond)

BREAK

10h45-11h45	Session 6:	GW-scale manufacturing challenges		
	Chairs:	Kaining Ding/FZJ	Aude Derrier/CEA	
1		Damien Lachenal	Meyerburger	GW-scale manufacturing at MB
2		Dr. Zhichun Ni	AIKO /Akcome	Industrialized technology of High-efficiency HJT product and its challenges
3		Dr. Xu	LONGI	Recent progress of SHJ technology development in LONGI
4		Dr Yang	RISEN	Ultra low carbon foot print and high efficiency heterojunction product Hyper-ion

BREAK

12h-13h	Session 7:	Why moving to heterojunctions?		
	Chairs:	Teresa Barnes/NREL	Cosimo Gerardi/EGP	
1		Ben Strahm	MCPV	Silicon heterojunction technology, a forced choice or the best choice for new comers ? “
2		Huang Qiang	Cannovation	Busbarless HJT modules with high efficiency, reliability and aesthetics
3		Elias Urrejola	ATAMOSTEC	ATAMO PV Technology 2 years of exposure at the Atacama Desert
4		David Moser	EURAC	KPIs and targets for sustainable and bankable solar PV

13h	CLOSING	Take OFF	Anis Jouini	
13h30	visit to INES			