

27/07/2017 (DAY 1) Venue: NEWTON ROOM NORTH				
	9:00am – 9:30am	Registration with Tea/Coffee		
	9:30am – 9:45am	Inaugural Speech (Prof Geoff Rodgers, Deputy Vice Chancellor, Brunel University London, UK)		
	9:45am – 10:05am	Key Note Speech (Prof Brian Norton, Dublin Institute of Technology, Ireland); Title: Storage of Daylight via Dielectric Microresonators		
	10:05am – 10:25am	Key Note Speech (Prof Phil Eames, Loughborough University, UK); Title: Large Scale Energy Storage in the UK :- the Potential Roles for Thermal Storage		
	10:25am – 10:45am	Key Note Speech Prof Tariq Muneer, Edinburgh Napier University, UK); Title: Solar Energy - the Ultimate Resource		
Session 1a: Solar resource measurement and modelling (Chair: Professor Tariq Muneer)				
1	11:00am-11:15am	Solaris_2017_117	B. Jereb	Stability of solar radiation as an important PV energy quality parameter
2	11:15am-11:30am	Solaris_2017_145	S. M. Ivanova	Modelling of circumsolar direct irradiance as a function of GHI, DHI and DNI
3	11:30am - 11:45am	Solaris_2017_105	D. H. W. Li	Estimation of sky and externally reflected components from vertical daylight illuminance
4	11:45am - 12:00N	Solaris_2017_116	L. Amoo	On the application of continuous wavelet transform method for energy resource assessment of aperiodic time series tidal data and Icoe analysis in tropical Nigeria.
5	12:00N - 12:15pm	Solaris_2017_118	F. Benharrats	Estimating solar radiation from LANDSAT 8 OLI/TIRS data
6	12:15pm - 12:30pm	Solaris_2017_123	V. Popović	Stabilizing electric power from solar photovoltaic panels by using electric vehicles
7	12:30pm - 12:45pm	Solaris_2017_138	A. Kudish	Analysis of long-term bio-climatological measurements at the dead sea basin, neve zohar
	12:45pm-2:00pm	Lunch Break, Networking and Exhibition		
	2:00pm - 2:20pm			
Session 1c: Solar technologies I (Chair: Professor Brian Norton)				
8	2:20pm - 2:35pm	Solaris_2017_141	A. Asefikia	Sun tracking study and preliminary design of heliostat field in solar power towers
9	2:35pm - 2:55pm	Solaris_2017_116	H. Hadavinia	Fabrication of modified black dye DSSCs
10	2:55pm - 3:10pm	Solaris_2017_142	K. Garg	Numerical study of multi-stage flash desalination method coupled with nano-fluid based direct absorption solar collector
11	3:10pm - 3:30pm	Solaris_2017_140	A. A. Alian	Modelling of a concentrator photovoltaic/thermal system with high concentration ratio
12	3:25pm - 3:40pm	Solaris_2017_108	K. Matsubara	Heat transfer analysis of fluidized bed particle receiver for high-temperature solar concentration
13	3:40pm - 3:55pm	Solaris_2017_147	F. Meng	Improved monocrystalline silicon solar cell by integrating MgO doped TiO ₂ nanoaerogels via a screen printing process
	3:55pm - 4:30pm	Tea/Coffee		
	7:00pm- till late	Conference Dinner (Venue: Newton Room North)		

27/07/2017 (DAY 1) Venue: DARWIN ROOM				
	9:00am – 9:30am	Go to Newton Room North		
	9:30am – 9:45am	Go to Newton Room North		
	9:45am – 10:05am	Go to Newton Room North		
	10:05am – 10:25am	Go to Newton Room North		
	10:25am – 10:45am	Go to Newton Room North		
Session 1b: Energy storage and applications (Chair: Professor Phil Eames)				
1	11:00am-11:15am	Solaris_2017_156	S. Tazawa	Melting process of PCM in ceramic capsule for solar thermal storage
2	11:15am-11:30am	Solaris_2017_111	A. Paneri	Heat transfer model for aerogel filled polyurethane composite
3	11:30am - 11:45am	Solaris_2017_125	V. Mariappan	Experimental analysis of corrugated polypropylene based indirect evaporative desiccant cooling system
4	11:45am - 12:00N	Solaris_2017_102	D. Kerridge	Field testing a long-term passive vaccine cooler
5	12:00N - 12:15pm	Solaris_2017_160	J. Götttsche	Grid-interactive demand-side management through PCM storage integration in buildings
6	12:15pm - 12:30pm	Solaris_2017_107	K. R. Balasubramanian	Effect of inclination on thermal performance of phase change material based heat sink for photovoltaic cooling
7	12:30pm - 12:45pm	Solaris_2017_164	H. Hadavinia	Analysis of truncated V-Trough and Compound Parabolic Concentrators for BIPV/BAPV applications
	12:45pm-2:00pm	Lunch Break, Networking and Exhibition (Venue: Newton Room North)		
	2:00pm - 2:20pm			
Session 1d: Energy use in buildings (Chair: Professor Robin Wilson)				
8	2:20pm - 2:35pm	Solaris_2017_103	J. F. Flor	Parametric study on the shading performance of kinetic multilayer ETFE cushions in building facades
9	2:35pm - 2:55pm	Solaris_2017_132	H. Alrashidi	Estimating Cooling Load Reduction Using 40% Transparency CdTe Thin Film PV in an Office in Kuwait
10	2:55pm - 3:10pm	Solaris_2017_144	M. Alam	Thermal characterisation of composite insulation panels (CIPS) using a vacuum insulated core
11	3:10pm - 3:30pm	Solaris_2017_152	P. Onyegbule	Investigation into sealing materials for vacuum glazing
12	3:25pm - 3:40pm	Solaris_2017_122	R. Gupta	Management of housing performance information for reducing the energy performance gap
13	3:40pm - 3:55pm	Solaris_2017_121	H. Gao	BIM-based building energy modelling
	3:55pm - 4:30pm	Tea/Coffee		
	7:00pm- till late	Conference Dinner (Venue: Newton Room North)		

28/07/2017 (DAY 2) Venue: NEWTON ROOM NORTH				
	9:30am – 9:50am	Key Note Speech (Dr. Paul McEntee, Kingspan Environmental Ltd., UK); Title: Kingspan Solar & Renewable Energy Solutions and the Net Zero Energy Project		
	9:50am – 10:10am	Key Note Speech (Dr. Roland Caps, va-Q-tec AG, Germany); Title: Advanced Insulations for Buildings and Building Components		
	10:10am – 10:30am	Key Note Speech (Prof Noboru Yamada, Nagaoka University of Technology, Japan); Title: Development of Concentrator Photovoltaic Module Utilizing Diffuse Sunlight		
	10:30am – 11:00am	Tea/Coffee		
Session 2a: Solar technologies II (Chair: Professor Noboru Yamada)				
14	11am - 11:15am	Solaris_2017_159	M. Kumar	Investigation of the thermal hydraulic performance of artificially dimple faced absorber plate with jet impingement on a solar air heater
15	11:15am - 11:30am	Solaris_2017_106	M. Nakakura	Discrete ordinates simulation of volumetric solar receiver with beam-down irradiation and its verification using big sun simulator
16	11:30am - 11:45am	Solaris_2017_131	M. S. Gul	Investigating the impact of non-traditional foreground surfaces for large scale solar PV installations
17	11:45am - 12:00N	Solaris_2017_163	S. Karimjee	Zeolite core vacuum insulation panels- development and performance parameters
18	12:00N - 12:15pm	Solaris_2017_157	R. Saint	Technological development of integrated collector storage solar water heaters for optimisation in Scottish weather conditions
19	12:15pm - 12:30pm	Solaris_2017_150	G. Pierucci	Thermal loss test on a receiver for small size PTC application
	12:30pm - 1:30pm	Lunch Break, Networking		
	1.30pm-1.50pm	Presentation by Viola Augstein (KTN-UK); Promoting uptake of technologies through upskilling-H2020 MEnS project		
Session 2c: Energy storage, low temperature generation and solar economics (Chair: Dr Yunting Ge)				
20	2:00pm - 2:15pm	Solaris_2017_120	S. Khanna	Effect of tilt angle on the performance of PV-PCM system
21	2:15pm - 2:30pm	Solaris_2017_114	W. Youssef	Phase change material heat exchanger for excess thermal solar energy storage
22	2:30pm - 2:45pm	Solaris_2017_139	S. Sonsaree	Feasibility of VCHP-ORC power generation from low-grade industrial waste heat combined with solar water heating system in Thailand
23	2:45pm - 3:00pm	Solaris_2017_135	S. Suresh	Microencapsulation of paraffin with alumina nanoparticles for solar thermal energy storage applications
24	3:00pm - 3:15pm	Solaris_2017_109	S. Yasseri	Valuation of solar energy using real option: A case study
25	3:15pm - 3:45pm	Tea/Coffee		
26	3:45pm - 4:00pm	Solaris_2017_104	A. Murat Ates	A project that provides electricity from solar energy for vocational school campus

28/07/2017 (DAY 2) Venue: DARWIN ROOM				
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	10:30am - 11:00am	Tea/Coffee		
Session 2b: PCM based energy storage (Chair: Dr Zahir Dehouche)				
14	11am - 11:15am	Solaris_2017_112	R. Weber	Trnsys simulation of a sodium hydroxide sorption storage system
15	11:15am - 11:30am	Solaris_2017_155	M. Salascastillio	Design and develop a novel concentrating PV smart window for energy generation and solar control
16	11:30am - 11:45am	Solaris_2017_110	K. Du	A review of applications of phase change materials in heating, cooling and electricity generation
17	11:45am - 12:00N	Solaris_2017_149	S. Venkatachalapathy	Studies on thermal energy storage improvement using MEPCM
18	12:00N - 12:15pm	Solaris_2017_130	S. Suresh	Nanocomposite sugar alcohol as phase change material for thermal energy storage applications
19	12:15pm - 12:30pm	Solaris_2017_143	V. Bhalla	Liquid layer envelope for curbing radiative losses in nanofluid-based volumetric receivers
	12:30pm - 1:30pm	Lunch Break, Networking		
	1.30pm-1.50pm	Presentation by Viola Hay (KTN-UK); Promoting uptake of technologies through upskilling-H2020 MEnS project (Venue: Newton Room North)		
Session 2d: Building façade technologies (Chair: Professor Hari Upadhyaya)				
20	2:00pm - 2:15pm	Solaris_2017_137	R. Liang	The effect of optical properties variations on VO2 - based thermochromic smart window applied in office building
21	2:15pm - 2:30pm	Solaris_2017_129	X. Liu	Advanced windows for heat insulation, energy generation and illumination control: a review of thermal, electrical and optical characteristics
22	2:30pm - 2:45pm	Solaris_2017_151	Y. Sun	Daylight and energy performance analysis of a glazing system with parallel slat structure
23	2:45pm - 3:00pm	Solaris_2017_161	Y. Wu	Thermal management of a Building Façade Integrated Asymmetric Compound Parabolic Photovoltaic concentrator (BFI-ACP-PV)
24	3:00pm - 3:15pm	Solaris_2017_158	S. M. Ivanova	Analysing radiation exchange between building surfaces: Numerical solutions and software tools
25	3:15pm - 3:45pm	Tea/Coffee		
26	3:45pm - 4:00pm			