

Can solar power deliver?

Monday 14 – Tuesday 15 November 2011

Organised by Professor Salvator Roberto Amendolia, Professor Peter Edwards FRS, Sir Richard Friend FRS, Professor Can Li

DAY 1				DAY 2			
SESSION 1 Setting the scene. Chair: Giovanni De Santi		SESSION 2 Solar electricity Chair: Jenny Nelson		Day 1 re-cap, Setting the scene and solar electricity Chairs: Giovanni De Santi and Jenny Nelson		SESSION 3 (contd) Solar energy storage Chair: Michele Aresta	
09.00	Welcome by Julie Maxton						
09.05	Introduction Peter Edwards	13.30	Neil Greenham Polymer solar cells	09.00	Keith Barnham Concentrator photovoltaics	13.20	Can Li Solar hydrogen from water
09.15	Carlo Rubbia Why solar?			09.30	Discussion		
9.45	David MacKay Solar energy in the context of energy usage, transportation and storage	14.15	James Durrant Nanostructures for low cost solar energy conversion	09.45	Hans Muller-Steinhagen Power from the deserts for sustainable electricity supply	14.05	Lee Cronin New approaches to photosynthesis: from metal oxides to synthetic biology
10.15	Discussion	14.45	Discussion	10.15	Discussion	14.35	Discussion
10.35	Coffee	15.00	Tea	10.30	Coffee	14.50	Tea
11.00	Martin Green Silicon solar cells: state-of-the-art	15.30	David Mitzi title TBC	SESSION 3 Solar Energy Storage		15.10	Robert Schlögl The role of chemistry in the renewable energy challenge
				11.00	Andreas Zuttel Hydrogen for energy storage and beyond		
11.40	Discussion	16.00	Discussion	11.30	Discussion	15.40	Discussion
11.50	Richard Cogdell What can we learn from photosynthesis about how to convert solar energy into fuels?	16.15	Ayodhya Tiwari Prospects of high efficiency flexible solar cells	11.45	Tony Harriman Solar routes to fuels	15.55	Michele Aresta / Giovanni De Santi / Jenny Nelson So, can solar power deliver?
12.20	Discussion	16.45	Discussion	12.15	Discussion	17.00	CLOSE
12.30	LUNCH	17.00	CLOSE	12.25	LUNCH		