

Cometary science after Rosetta

Tuesday 14 – Wednesday 15 June 2016

Organised by Dr Geraint Jones, Professor Alan Fitzsimmons, Dr Matthew Knight and Dr Matt Taylor

THE
ROYAL
SOCIETY

DAY 1				DAY 2			
SESSION 1: Overview and the Rosetta mission Chair: Geraint Jones		SESSION 2: The heart of the matter – cometary nuclei and their activity Chair: Matthew Knight		SESSION 3: Trails and tails: what comets leave in their wakes Chair: Matt Taylor		SESSION 4: Cometary origins and implications Chair: Alan Fitzsimmons	
09:00	Welcome by the Royal Society & Geraint Jones						
09:05	Karen Meech Setting the scene: what did we know before Rosetta?	13:30	Stephen Lowry Bulk properties of 67P's nucleus from Rosetta, and comparison to other nuclei	09:00	Ingrid Mann Cometary dust throughout the Solar System: models and physics	13:30	Alessandro Morbidelli Comets in the framework of the formation and evolution of the Solar System
09:40	Matt Taylor The Rosetta mission and orbiter science overview	14:05	Ian Wright On the chemical composition of the surface of 67P	09:35	Martin Hilchenbach Cometary dust particles collected in the inner coma of 67P by COSIMA onboard Rosetta	14:05	Henry Hsieh Main Belt Comets and activity in other unusual places
10:15	Discussion	14:40	Discussion	10:10	Discussion	14:40	Discussion
10:30	Coffee	15:00	Tea	10:30	Coffee	15:00	Tea
11:00	Hermann Boehnhardt Philae lander mission and science overview	15:30	Dominique Bockelée-Morvan The composition of cometary ices	11:00	Karl-Heinz Glassmeier Interaction of comets with the solar wind: a Rosetta perspective	15:30	Diane Wooden Comet dust: the diversity of "Primitive" particles and implications
11:35	Colin Snodgrass Ground-based observations of Comet 67P/Churyumov-Gerasimenko	16:05	Kathrin Altwegg Coma Chemistry II: 67P isotopic composition and implications	11:35	Karl Battams The Sungrazer Project: 20 years and 3,000 comets	16:05	Mike A'Hearn Summary of discussions, placing the Rosetta results in context, and the next steps in cometary science
12:10	Discussion	16:40	Discussion	12:10	Discussion	16:40	Discussion
12:30	LUNCH	17:00	Poster session	12:30	LUNCH	17:00	CLOSE

Draft programme – correct as of **27 May 2016** – subject to change