



THE ROYAL SOCIETY

# SATELLITE MEETING ON UTC for the 21<sup>st</sup> century

Thursday 3 – Friday 4 November 2011

Organised by Dr Terry Quinn CBE FRS and Dr Felicitas Arias

DAY 1				DAY 2			
09.30 – 10.00	Introduction and opening of the meeting <b>The Right Honourable David Willetts MP</b> Minister for Universities and Science						
<b>Session 1</b> Chair – Luc Erard		<b>Session 2</b> Chair – Michael Kuehne		<b>Session 3</b> Chair – Dr Felicitas Arias		<b>Session 4</b> Chair – Judah Levine	
10.15	Evolution of timescales from astronomy to physical metrology <b>Dr Dennis McCarthy</b>	14.00	Earth rotation monitoring, UT1 determination and prediction <b>Dr Daniel Gambis</b>	09.00	Realization and maintenance of UTC <b>Dr Felicitas Arias</b>	14.00	BeiDou Navigation Satellite System and its time scales <b>Dr Chunhao Han</b>
		14.45	Time scales, their users, and leap seconds <b>Professor Kenneth Seidelmann</b>	09.45	The local representation of UTC at the National Physical Laboratory <b>Dr Peter Whibberley</b>	14.45	Galileo satellite system and its time scale <b>Dr Jörg Hahn</b>
11.00	Coffee	15.30	Tea	10.30	Coffee	15.30	Tea
11.30	Relativistic time transfer <b>Dr Robert Nelson</b>	16.00	Role of the ITU-R in time scale definition and dissemination <b>Dr Ronald Beard</b>	11.15	Time references in astronomical and navigational almanacs <b>Ms Catherine Hohenkerk</b>	16.00	GNSS and UTC <b>Dr Wlodzimierz Lewandowski</b>
		16.45 -17.30	<b>Discussion</b>			16.45	<b>Final discussion</b>
12.30	LUNCH	18.30	DINNER	12.00	LUNCH	18.00	CLOSE