



**Schedule for the Shackleton Conference:
Marine Geoscience, Past, Present, and
Future**

**The Marine Studies Group
September 18th, 2017
Burlington House, Geological Society of
London**

9:15-9:40 – Arrival and Welcome, Coffee and Tea (Library of the Geological Society)

9:40 – Introduction to the day and conference (Member of the MSG Committee)

9:45 – Bill Austin, University of St Andrews
Climatic and Human Drivers of Holocene Carbon Burial along the North Atlantic Margin

10:00 – Zvi Steiner, University of Cambridge
Testing the utility of geochemical proxies for paleoproductivity in oxic sedimentary marine settings of the Gulf of Aqaba, Red Sea

10:15 – **KEYNOTE: Carrie Lear, University of Cardiff.**
Ice Sheet Stability: A Paleoclimate Perspective

10:45 – David Hodell, University of Cambridge
Persistent instability of glacial climate and overturning circulation in the North Atlantic for the past 1.5 million years

11:00 – **Coffee Break**

11:15 – **KEYNOTE: Rosalind Rickaby, University of Oxford**
The evolving role of phytoplankton in the carbon cycle

11:45 – Nick McCave, University of Cambridge
Relation of sortable silt grain-size to deep-sea current speeds: Calibration of the 'Mud Current Meter'

12:00 – Jenny Collier, Imperial College London
Time-lapse bathymetric surveys of an active submarine volcano and implications for hazard in the southern Caribbean

- 12:15 – **KEYNOTE: Damon Teagle, University of Southampton**
The formation and evolution of new crust at ocean ridges: Tackling a fundamental Earth science challenge from multiple directions
- 12:45 – **Lunch and Discussion and Poster Session**
- 13:45 – **KEYNOTE: Rosalind Coggon, University of Southampton**
The South Atlantic drilling project, multi-disciplinary collaborations in marine science.
- 14:15 – Rob Larter, British Antarctic Survey
Development of a large sediment drift near the mouth of Marguerite Trough, Antarctic Peninsula as a record of past ice stream dynamics
- 14:30 – Daniela Vendettuoli – University of Southampton
The stratigraphic incompleteness of submarine channels deposits
- 14:45 – **Bob Gatliff – British Geological Survey**
A BGS forward look at Marine Geoscience in the UK: Priorities in a time of change
- 15:15 – **Coffee Break**
- 15:30 – Mike Clare – National Oceanography Centre, Southampton
How can we use emerging technology to directly measure powerful and damaging deep-sea geohazards?
- 15:45 – Ed Self – Gardline
3D Seismic Data Past (Exploration), Present (Exploration and Geohazards) and Future (Exploration, Geohazards and Decommissioning)
- 16:00 – **KEYNOTE: Russell Wynn - National Oceanography Centre, Southampton**
Marine robotics and their past, present and future applications for marine geoscience
- 16:30 – Neil Mitchell – University of Manchester
The rise of international collaborations in UK marine science from publication co-authorships
- 16:45 – **Closing discussion and meeting wrap up**