

RSC Dalton Division Structure, Property and Function Across the Periodic Table

Department of Chemistry, University of Durham
27th – 28th March 2008

Free to attend, no registration formalities

Future Dalton Division meetings

- **Self Assembly in Materials Synthesis**
8 May 2008 – University of St Andrews
- **Functional Complexes, Bond Activation and Catalysis**
16 May 2008 – Cardiff University
- **Dalton Discussion 11: The Renaissance of Main Group Chemistry**
23-25 June 2008 – University of California, Berkeley, USA

For more information, please visit www.rsc.org/daltondivision

Sir Ronald Nyholm Lecture Professor Guy Orpen

University of Bristol

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PROGRAMME

Thursday 27th March 2008

14:00 Welcome by Professor Judith Howard, University of Durham

Session Chair: Professor Todd Marder, University of Durham

14:05 Catalysts for Sustainable Chemistry:
Plastics and Fuels from Renewable Resources **Professor Matthew Davidson**
University of Bath

14:40 Synergic Synthesis and Structure Building:
Alkali-Metal-Mediated Metallation **Professor Robert Mulvey**
University of Strathclyde

15:15 Big Borane Cluster Assemblies **Professor John Kennedy**
University of Leeds

15:50 Tea/Coffee

Session Chair: Professor Judith Howard, University of Durham

16:20 Supraicosahedral Heteroboranes **Professor Alan Welch**
Heriott Watt University

16:55 **Sir Ronald Nyholm Lecture**
Exploiting Knowledge-based Approaches
in Chemistry **Professor Guy Orpen**
University of Bristol

17:55 Close

PROGRAMME

Friday 28th March 2008

Session Chair: Dr Phil Dyer, University of Durham

9:00 Revisiting Old Friends: Structure and Bonding
in Group 15/16 Radicals **Dr Jeremy Rawson**
University of Cambridge

9:35 A Tale of Tellurium Chemistry:
From Tellurium Diimides to Metal Tellurides **Professor Tristram Chivers**
*University of Calgary,
Alberta, Canada*

10:35 Tea/Coffee

Session Chair: Professor John Evans, University of Durham

11:05 High Hydride Count Rhodium Octahedra:
Bridging the Gap Between Early and Late
Transition Metal Clusters **Professor Andrew Weller**
University of Oxford

11:40 Recent Developments in Boron Chemistry **Professor Todd Marder**
University of Durham

12:15 Closing remarks by Professor Judith Howard, University of Durham