

CSEC 20th Anniversary Erskine Williamson Day
Programme
CSEC Lecture Theatre

09.30 Welcome Malcolm McMahon

Session 1 (Chair Malcolm McMahon)

09.40 Stefan Klotz, IMPMC Sorbonne Université, Paris
Ice: Old friends, old data, new insights

10.30 Israel Osmond, CSEC and SOPA
Transport Measurements at High Pressure

10.50 Akun Liang, CSEC and SOPA
Synthesis of Novel Binary Ce-N and Ternary Ce-C-N Compounds Using Laser-Heated Diamond
Anvil Cells

11.10-11.40
Coffee and Biscuits CSEC Reading Room

Session 2 (Chair John Loveday)

11.40 Tetsuya Komabayashi, CSEC and SOG
A thermodynamic model for high-pressure melting in the system Fe-C

12.00 Sean Injac, CSEC and SOC
New Solid State Materials from High Pressure Synthesis

12.20 Hannah Shuttleworth, CSEC and SOPA
Compound Formation and Reactivity in Dense Methane-Nitrogen Mixtures

12.40 Group Photo CSEC Entrance

13.00-14.30
Lunch and Posters, CSEC Reading Room

Session 3 (Chair, Paul Attfield)

14.30 Sandro Scandolo, ICTP, Trieste
Deep-learning-aided ab-initio simulations of iron at Earth's core conditions

15.15 Leopoldine Parczanny, CSEC and SOPA
Novel structure type for extremely hydrogen-rich methane and xenon hydrides

15.35 Cip Pruteanu, CSEC and SOPA
Fluids, forcefields and the future

15.55-16.25
Tea, Cake or Scones (CSEC Reading Room)

Session 4 (Chair John Loveday)

16.25 Laura Spagnolo, University of Glasgow (Formally CSEC and SOB)
Structural studies of "extreme" immune systems

17.10 Stewart Gault, CSEC and SOPA
Understanding the limits to life in multi-extreme environments: A Martian perspective

17.30 Close

19.00 Dinner at St Leonards Hall