

Centre for Computational Plasma Physics Annual Meeting

11th December 2017 , Scarman House, University of Warwick

- 9:00 Tea & Coffee, Scarman House
- 10:10 Welcome & Introduction
Tony Arber, University of Warwick
- 10:20 Performance of a Second Order Electrostatic Particle-in-Cell Code on Modern Many-Core Architectures.
Dom Brown, University of Warwick
- 10:40 OpenMP 5 standard in the Clang compiler – applications to TeaLeaf heat-conduction app from UK-MAC, and LULESH, a Lagrangian hydrocode from Lawrence Livermore.
David Truby, University of Warwick
- 11:00 Coffee**
- 11:20 Enhancements and plans for the EPOCH code
Keith Bennett, University of Warwick
- 11:40 HEDP simulations at Imperial College.
Kris McKlinchey, Imperial College
- 12:00 Update on the *Odin* rad-hydro ALE code
Tom Goffrey, University of Warwick
- 12:20 Lunch**
- 14:00 Simulations of the physics underpinning laser-driven ion acceleration
Martin King, Strathclyde University
- 14:20 Non-Ideal MHD terms in the Odin code
Martin Reed, York Plasma Institute
- 14:50 QED work with EPOCH
Chris Ridgers, York Plasma Institute
- 15:00 Tea**
- 14:20 Shock ignition experiments on Omega
Robbie Scott, RAL
- 14:40 LPI at shock ignition scales and intensities
Alex Seaton, University of Warwick
- 15:00 End**