

# Wednesday 26 June

## GRTL meeting - code day

MR5, Pavilion A, Centre for Mathematical Sciences

- Morning session (GRTEclyn updates)
  - 9.45 - 10.15: Registration and coffee
  - 10.15 - 10.30: Opening announcements
  - 10.30 - 11.00: Introduction to AMReX (Weiqun Zhang, Lawrence Berkely Natl. Lab)
  - 11.00 - 11.30: GRTEclyn updates (I), benchmarking and how to run on GPUs (Miren Radia, Cambridge)
  - 11.30 - 12.00: GRTEclyn updates: why I hate C++: porting the matter classes and scalar field example (Juliana Kwan, Cambridge)
  - 12.00 - 12.30: mdb - an MPI capable debugging tool (Tom Meltzer, Cambridge)
- Afternoon session (Spotlight on new tools and features)
  - 2.00 - 3.15: Hands on session on Dawn with the scalar field example
  - 3.15 - 3.45: Coffee
  - 3.45 - 4.15: Making Chombo checkpoint files in python (Cristian Joana, ITP-CAS)
  - 4.15 - 4.45: xAct: a new Mathematica package for extracting tachyonic instabilities (Claire Rigouzzo, KCL)
  - 4.45 - 5.00: My plans for summer: GRChombo code updates and feature merging (Katy Clough, QMUL)
- 7.30 - 11.00: Workshop Dinner: Fellows Dining Room, Murray Edwards College