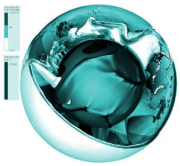
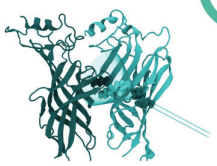
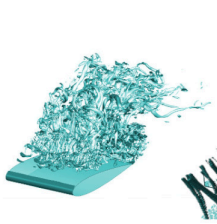


archer2
Celebration of Science


Lightning Talks

	Poster Presenter	Poster Title
1	Ben Durham, University of York	Open Boundary Conditions and Implicit Solvation Calculations in CASTEP using DL MG
2	Callum Watson, British Geological Survey	Enabling a better global view of the magnetic field of Earth's rocks
3	Carlos Edgar Lopez Barrera, Queen Mary University of London	Computational Insights for Individualized Atrial Fibrillation Treatments
4	Chi Cheng (Cecilian) Hong, University of Edinburgh	Insight into the Correlated Disorder of Fumarate- Based MIL-53 Frameworks: A Computational Study of Free-Energy Landscape
5	Ivan Tolkachev, University of Oxford	Large scale atomistic simulations of nanocrystalline Iron formation and its irradiation performance
6	Joel Hirst, Sheffield Hallam University	Spin-Waves: A potential route to more efficient
7	Joseph Prentice, University of Oxford	Computing infra-red spectra using finite differencing in CASTEP
8	Juan Herrera, EPCC, The University of Edinburgh	MONC Performance Portability
9	Kevin Stratford, EPCC, The University of Edinburgh	MPI+X on ARCHER2: observations from Ludwig
10	Ludovica Cicci, Imperial College London	A multi-scale analysis of the impact of measurement and physiological uncertainty on electrocardiograms
11	Mara Strungaru, University of York	Implementing spin-lattice dynamics within the VAMPIRE software package
12	Marina Strocchi, Imperial College London & King's College London	Linking Molecular to Whole-organ Function Using Multi-scale, Multi-physics Four-chamber Computational Models
13	Martin Plummer, STFC Scientific Computing Department (Daresbury Laboratory)	Multi-Layered MPI parallelisation for the R-matrix with time-dependence code
14	Matt Smith, University of York	Future-proof Parallelism for Plane-Wave Density Functional Theory
15	Matthias Frey, University of St Andrews	EPIC: The Elliptical Parcel-In-Cell method
16	Max Holloway, Brilliant Planet / Scottish Association for Marine Science	Nearshore upwelling fine-scale prediction system and carbon sequestration
17	Paul Bartholomew, EPCC, University of Edinburgh	Adding ADIOS2 to the Xcompact3D CFD code
18	Pavel Stishenko, Cardiff University	Implementing an implicit solvent model in a periodic DFT code
19	Sean Mashallsay, Queen's University Belfast	Unravelling Attosecond Dynamics: A General Approach To Ultrafast Atomic Simulations
20	Steven Boeing, University of Leeds	Small-scale mixing in a parcel-based model of moist convection
21	Stuart Morris, University of Warwick	Laser-plasma instabilities at Shock Ignition scales
22	Tobias Slade-Harajda, University of Warwick	The consequences of tritium mix for simulated ion cyclotron emission spectra from deuterium-tritium plasmas
23	Vinush Vigneswaran, The University of Edinburgh – Centre for Cardiovascular Science	OpenEP Workbench: A computational platform for identifying fibrotic regions and conduction disturbances in the atria using conduction velocity.
24	Hannah Menke, Heriot-Watt University	Introducing GeoChemFoam to Archer2