

**Launch of Newcastle University's High Performance Computing (HPC) Service
07/02/2018**

**Venue: Urban Sciences Building, Science Central
Programme**

Part one	Launch of the HPC
11.00am	Registration and coffee
11.30am	Welcome Mr Jason Bain, Acting Director of NUIT
11.35am	Introduction to Newcastle University's HPC Professor Werner Hofer, Dean of Research and Innovation Faculty of Science, Agriculture and Engineering HPC Project Sponsor
11:45am	Representative from OCF and Huawei
12:05pm	Celebration of the opening of HPC Professor Chris Day, Vice-Chancellor & President
12.15pm	Lunch and networking
Part two	Research Seminar
1.00 - 1.15pm	Introduction of Research at Newcastle University Professor Brian Walker, Pro-Vice-Chancellor for Research Strategy and Resources
1.15 - 2.00pm	School of Computing: A series of presentations by heavy HPC users Led by Dr Jaume Bacardit, Reader in Machine Learning, School of Computing
2.00 - 2.30pm	Medical Sciences: A series of presentations by heavy HPC users Led by Dr Simon Cockell, Senior Experimental Scientific Officer
2.30 - 2.45pm	Computational Medicinal Chemistry Dr Agnieszka K. Bronowska, Lecturer in Computational Medicinal Chemistry
2.45 - 3.00pm	Convective Dynamos Dr Paul Bushby, Senior Lecturer, School of Mathematics & Statistics
3.00 - 3.30pm	Break and refreshments
3.30 - 3:45pm	First principles simulations in Materials Physics Professor Patrick Briddon, Professor of Computational Physics, School of Engineering
3.45 - 4.00pm	Application of high-performance computing in the analysis of turbulent reacting flows using high-fidelity simulations Professor Nilanjan Chakraborty, Professor of Fluid Dynamics, School of Engineering
4.00 - 4.15pm	Extended electrons in condensed matter physics Dr Thomas Pope, Research Associate, School of Natural and Environmental Sciences
4.15 - 4.30pm	Convection and waves in stars Dr Philipp Edelmann, Research Associate, School of Mathematics & Statistics
4.30 - 4.40pm	Round up and closing remarks Professor Werner Hofer, HPC Project Sponsor
4.40 - 5.30pm	Drinks and canapés