




NVIDIA

GPU  
RESEARCH  
CENTER



NVIDIA  
TESLA

## EXPANDING THE FRONTIER OF MASSIVELY PARALLEL COMPUTING

- Plymouth University is one of only nine UK universities with NVIDIA GPU Research Centre status. The centre is led by Dr Matthew Craven.
- Projects utilise GPU architectures to streamline algorithmically intensive codes and take advantage of localisable methods, and work alongside the High Performance Cluster on campus.
- Research includes Large-N Yang-Mills Spectra at Non-Zero Temperatures (Dr Antonio Rago), Lattice-Boltzmann Methods (Drs David Graham and Tim Reis), Markov Chain Monte-Carlo Methods (Dr Paul Hewson), Simulation of Lava Flows and Hazard Mapping Generation (Dr Davide Marocco), Cybersecurity (Drs Matthew Craven and Daniel Robertz), Image Analysis (Drs Colin Christopher, Matthew Craven and Tim Reis) and QCD (Dr Craig McNeile).
- The University is also an NVIDIA GPU Education Centre.

**GPU  
COMPUTING  
WITH  
PLYMOUTH  
UNIVERSITY**

