

# XQCD 2016



**Monday, 1 August 2016 - Wednesday, 3 August 2016**

**Plymouth University**

## Scientific Programme

## **QCD phase diagram**

Critical endpoint calculations, order parameters, phenomenological models

## **Quantum Field Theories of dense, cold matter**

The sign problem

## **Bulk properties of the quark-gluon plasma**

Bulk thermodynamics, susceptibilities and correlations

## **Transport properties and probes**

Energy-momentum tensor, Transport, Out-of-equilibrium systems, heavy quarks

## **Condensed matter systems**

Fermi gas and Hubbard model

## **Strongly interacting Dark Matter**

Phenomenological models, Lattice simulations

## **Recent developments in the mathematics of inverse problems**

Theoretical development