



UNIVERSITY OF
BIRMINGHAM

Baskerville

Simon Branford

Deputy Leader of the Research Software Group and
Senior Research Software Engineer



National Tier 2 Accelerated Compute Facility

Funded following the 2019 Tier 2 HPC round
“Fundable” but insufficient funding at the time

Led by University of Birmingham – Professor Iain Styles

Housed in our dedicated research data centre



UNIVERSITY OF
BIRMINGHAM



Consortium Partners

Research Partners

UNIVERSITY OF
BIRMINGHAM



The
Alan Turing
Institute



Technology Partners

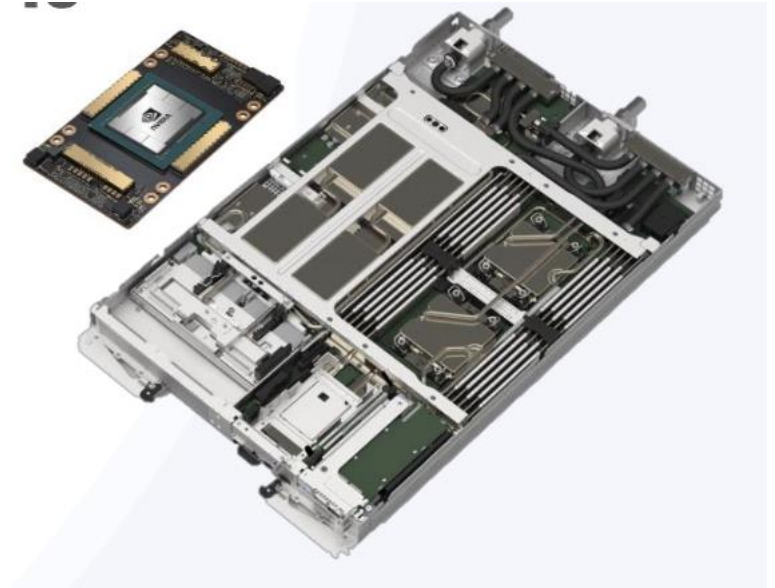


UNIVERSITY OF
BIRMINGHAM

Compute Nodes

46 1U systems, each with:

- 2x Intel Ice Lake CPU
- 512GB RAM
- 960GB NVMe SSD
- HDR Infiniband (200Gbps)
- 4x NVIDIA A100-40 GPUs, with NVLINK
- Lenovo Liquid cooled
- Plate rating: 53.4 TFlops per node



Storage and Data Transfer

Lenovo DSS-G – running IBM Spectrum Scale

- ~500TB usable flash (96 drives)
- ~5.2PB usable spinning disk (418 drives)

Will include Globus end point for data transfer



Software and RSE Support



UNIVERSITY OF
BIRMINGHAM

Further Information

Website: www.baskerville.ac.uk

Press release: www.baskerville.ac.uk/press-release/

RSE Job Vacancies

<https://blog.bham.ac.uk/bear/2020/12/07/arc-opportunities-two-senior-research-software-engineer-vacancies-in-arc/>



UNIVERSITY OF
BIRMINGHAM