



DURHAM
HPC 20
DAYS 26

Welcome to Durham HPC Days 2026!

We hope you enjoy the programme, make new connections across the community, and take the opportunity to explore Durham and its surroundings.

We wish you a productive and enjoyable week!

Conference Venues

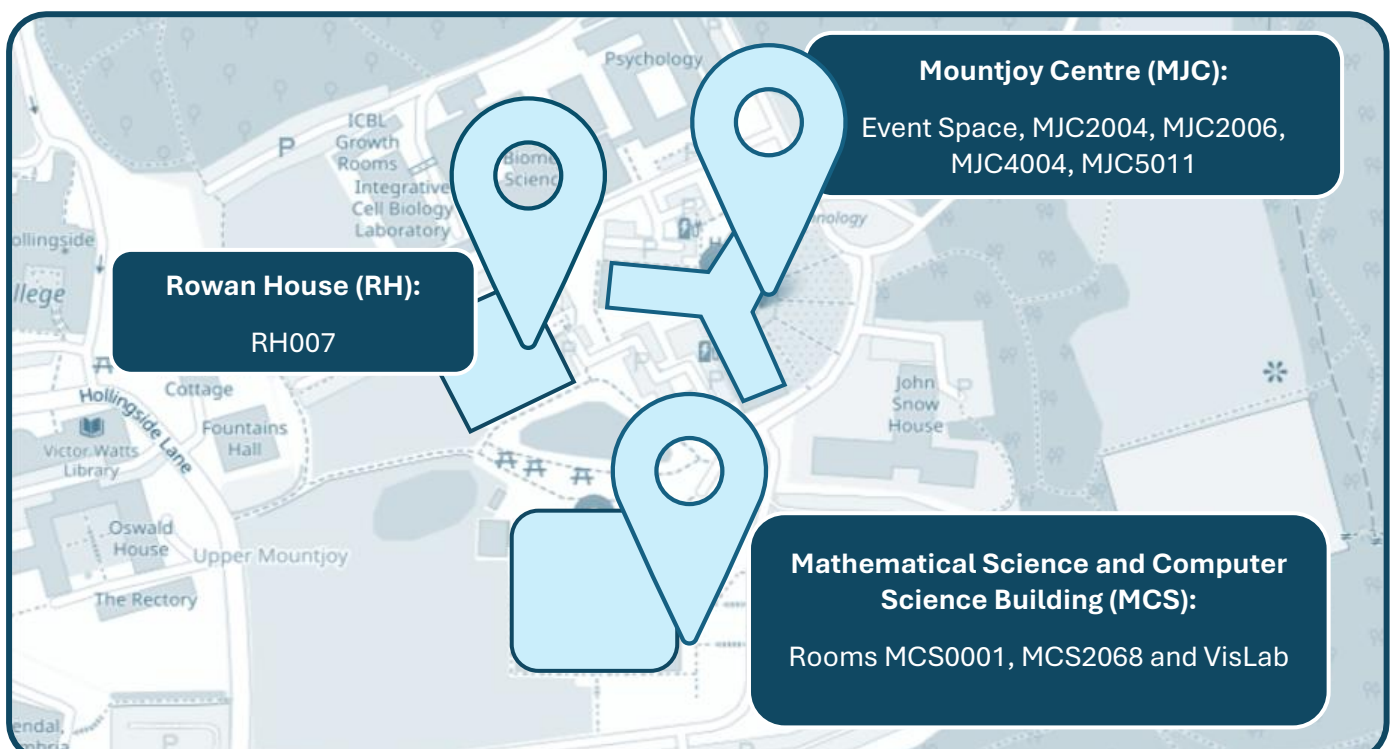
Sessions take place across three venues within Durham University:

- Mathematical Sciences and Computer Science Building (MCS)
- Rowan House (RH)
- Mountjoy Centre (MJC)

All venues are located within approximately five minutes' walking distance of each other. Please refer to the conference maps for building locations.

Other conference facilities:

- Quiet Room: MCS 2053 This space is intended for attendees who would like a quiet place to work, read, recharge, or take a break from the conference environment.
- Multi-Faith Room: available throughout the conference in: MJC



Catering

The conference provides:

- Lunch Monday–Friday
- Tea, coffee, and refreshments during scheduled breaks
- Dinner will be provided Monday-Thursday via the food trucks next to the Mountjoy Centre. Dinner vouchers are attached to your conference badge. Please check that you have a voucher for each evening you are registered to attend. If you leave the conference earlier than expected, please return any unused vouchers to the registration desk.



Tuesday Evening Ceilidh | 19:00 pm: Our main social event of the week will be a traditional ceilidh led by local musicians and dancers. Music will include Scottish, Irish, and Northumbrian jigs and reels, with all dances explained by an experienced caller. No previous ceilidh experience is required!

Morning Walk Around Durham | 08:00 am: Join an informal morning walk before the conference sessions begin. The routes will include: Durham Market Place, Durham Castle, Durham Cathedral and Riverside paths along the River Wear. The meeting point will be Durham Market Place from Tuesday to Friday.

Morning Runs Along the River | 06:30 am: The route follows the River Wear and includes scenic views across the city. Participants may choose approximately: 2 miles or 3.1 miles depending on pace and experience. The meeting point will be: Penny Ferry Bridge (next to Durham University Business School Waterside) from Tuesday to Friday

Socials



Conference announcements, discussions, and updates will be shared through the **CAKE Slack workspace**.

Join: #hpc-days26

We encourage all attendees to join the channel throughout the week.



Code of Conduct

Durham HPC Days 2026 is committed to providing a welcoming, inclusive, and respectful environment for all participants.

All attendees, speakers, exhibitors, sponsors, volunteers, and organisers are expected to follow the CAKE Code of Conduct throughout the conference.

If you experience or witness behaviour that violates the Code of Conduct, please contact a member of the organising team
<https://www.cake.ac.uk/CAKEbox/code-of-conduct/>

MONDAY 15 JUNE

09:00 – 10:30

Room: MJC5011 – Workshop
Cluster Challenge Community Breakfast

11:00 – 12:00

Room: RH007 – Meeting
RSE Leaders & Aspiring Leaders Meeting: Policy & Funding

13:00 – 14:30

Room: MCS0001 – Talks
HPC in Astrophysics and Astronomy

Room: MJC2006 – Tutorial
Model Parallelism: Training Large Neural Networks

Room: RH007 – Meeting
RSE Leaders & Aspiring Leaders Meeting: Policy & Funding

15:00 – 16:00

Room: MCS0001 – Keynote
How to have the cake and eat it too – Rank-Polymorphism for Productivity and Performance
Sven-Bodo Scholz

16:30 – 18:00

Room: MCS0001 – Talks
HPC in Astrophysics and Astronomy

Room: MJC2006 – Tutorial
Model Parallelism: Training Large Neural Networks

Room: RH007 – Meeting
RSE Leaders & Aspiring Leaders Meeting: Policy & Funding

18:00

Social

TUESDAY 16 JUNE

09:00 – 10:30

Room: MCS0001 – Tutorial
Node-level performance optimisation

Room: RH007 – Tutorial
Pocket-Sized Kubernetes: Building and Deployment with Raspberry Pi Clusters

Room: MJC2004 – Talks
Science & AI

11:00 – 12:00

Room: MCS0001 – Keynote
Why are High Performance Computing Systems still based on 1980's Architectures? - John McCalpin

13:00 – 14:30

Room: MCS0001 – Tutorial
Node-level performance optimisation

Room: RH007 – Tutorial
Pocket-Sized Kubernetes: Building and Deployment with Raspberry Pi Clusters

Room: MJC2004 – Talks
Science & AI

15:00 – 16:00

Room: MCS0001 – Keynote
Earthquakes, Tsunamis, and Supercomputers: From Hero Runs to Digital Twins - Alice-Agnes Gabriel

16:30 – 18:00

Room: MCS0001 – Tutorial
Node-level performance optimisation

Room: VisLab – Workshop
Build your own HPC - hands-on session with Raspberry Pis

Room: RH007 – Meeting
Fortran Community Meetup

Room: MJC2004 – Talks
HPC Centres

18:00

Ceilidh Evening

WEDNESDAY 17 JUNE

09:00 – 10:30

Room: MCS2068 – Talks
Computational Engineering

Room: MCS0001 – Workshop
Knowledge Exchange in the DRI Community

Room: MJC2006– Workshop
Quantum HPC

Room: MCJ2004– Talks
User-driven large-scale federated data movement

11:00 – 12:00

Room: MCS0001– Keynote
What Works? Academic-Industry Collaborations Across Borders - US vs EU models - Melyssa Fratkin

13:00 – 14:30

Room: MCS0001– Workshop
CoSeC Knowledge Exchange: HPC Across Computational Research Communities

Room: MJC2006– Workshop
Quantum HPC

Room: RH007 – Talks
Research software development funding calls

15:00 – 16:00

Room: MCS0001
Vendor Session

16:30 – 18:00

Room: Mountjoy Centre
Scavenger hunt

Room: MJC Event Space
Poster Session

Room: MJC2004
Vendor session 1

Room: MJC2006
Vendor session 2

18:00

Social

THURSDAY 18 JUNE

09:00 – 10:30

Room: VisLab – Tutorial
Responsible computing plans

Room: RH007– Workshop
RIE's and RSE working together towards user friendly, sustainable HPC

11:00 – 12:00

Room: MCS0001– Keynote
Interactive On-Demand HPC at Lincoln Laboratory and Beyond - Albert Reuther

13:00 – 14:30

Room: RH007 – Talks
Reinforcement Learning for Scientific and Computational Decision Making

Room: MCS0001– Workshop
We know what to do, so why aren't we doing it? Closing the EDI Implementation Gap with lessons from EuroHPC, UKRI and Beyond

Room: MJC2004– Workshop
What's inside the black box? Compiler developments for HPC

15:00 – 16:00

Room: MCS0001– Keynote
Implementing the Compute Roadmap – Luke Davis

16:30 – 18:00

Room: MCS2068 – Talks
Past, present and future of HPC Services in the UK, and the people who make it work

Room: RH007 – Talks
Reinforcement Learning for Scientific and Computational Decision Making

Room: MJC2004– Workshop
RIE's and RSE working together towards user friendly, sustainable HPC

18:00

Social

Room: VisLab – Meeting
Meet the funder

FRIDAY 19 JUNE

09:00 – 10:30

Room: RH007 – Tutorial
Accelerating Scientific Applications with OpenMP for GPUs

Room: MCS0001 – Workshop
Building Community

Room: MCS2068 – Workshop
Research Facilitation for DRI communities

11:00 – 12:00

Room: MCS0001 – Keynote
CCMI - PhD Training on the Interface of Data, Software, and Computation – Timo Betcke

13:00 – 14:30

Room: RH007 – Tutorial
Accelerating Scientific Applications with OpenMP for GPUs

Room: MCS0001 – Workshop
Building Community

Room: MCS Flexible Space
Poster Session

Need More Information?

This booklet contains a summary of the key information for Durham HPC Days 2026. For the latest programme updates, room information, maps, session details, speaker information, and conference announcements, please visit the conference website:

<https://hpc-days.github.io/Durham-HPC-Days-2026/>

We recommend checking the website regularly throughout the week, as any last-minute updates will be published there.

We hope you have an enjoyable and productive Durham HPC Days 2026!





