RSECon23 Full Agenda

Trusted Research Environments

09:30 - 17:30 Monday, 4th September, 2023
GH001

Remote option Volunteer-managed

Collaborative notes document for the day (including final schedule and various links).

10:00 - 10:15 Arrival
10:15 - 10:30 Welcome and introductions
10:30 - 11:15 Keynote from Emily Jefferson (CTO, HDR UK) including discussion
11:15 - 11:30 Break
11:30 - 12:45 Lightning talks
12:45 - 14:00 Lunch
14:00 - 16:45 Parallel sessions/breakouts, including breaks.
16:45 - 17:15 Conclusions, actions and next steps
17:15 - 17:30 Closing remarks

RSE Leaders Meeting

12:00 - 17:30 Monday, 4th September, 2023
GH014

Remote option Volunteer-managed

1200-1300: Lunch (Sir Stanley Clarke Auditorium)

1300-1310: Welcome – Simon Hettrick

1310-1420: Making RSE part of the fabric of academia and research

1420-1500: Reporting back from groups

1500-1530: Break

1530-1600: Lightning talks

1600-1645: Focus on EDIA

1645-1700: Wrap up

Welcome Reception

19:00 - 23:30 Monday, 4th September, 2023
Gower Square
Track Plenary
Remote option None (in-person only)

TODO: Details

Registration

08:00 - 09:00 Tuesday, 5th September, 2023
Ground Floor Foyer
Remote option None (in-person only)

1200-1300: Lunch (Sir Stanley Clarke Auditorium)

1300-1310: Welcome – Simon Hettrick

1310-1420: Making RSE part of the fabric of academia and research

1420-1500: Reporting back from groups

1500-1530: Break

1530-1600: Lightning talks

Refreshments

08:00 - 09:00 Tuesday, 5th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Welcome and housekeeping

09:00 - 09:10 Tuesday, 5th September, 2023
GH043
Track Plenary
Remote option Official online stream
Ed Bennett

Download slides.

Keynote: Dr Gaël Varoquaux–Saving the world one line at a time?!

09:10 - 10:00 Tuesday, 5th September, 2023
GH043
Track Plenary
Remote option Official online stream
Ed Bennett

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

This talk will try a reflection on successes and failures on open computational science to make a better society. Two decades ago, I went full on working on open source and science, because I knew that these were vectors of progress. Looking back, I helped create the Python scientific ecosystem, and a major machine-learning toolkit, scikit-learn. What were the drivers of successes as software projects? As societal projects? What aspects of open source software makes better science? And better societies?

Keynote: Daniel S. Katz, University of Illinois Urbana Champaign—State of the US-RSE

10:00 - 10:45 Tuesday, 5th September, 2023
GH043
Track Plenary
Remote option Official online stream
Ed Bennett

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary). Download slides.

State of the US-RSE

This talk will discuss the US Research Software Engineer (US-RSE) Association. It will discuss the current community and how it has advanced over its 6 year history, including who the members are and how the community brings them together. It will also discuss some new activities, including those supported by a new Alfred P. Sloan Foundation grant, and the upcoming first US-RSE Conference

Refreshments

10:45 - 11:10 Tuesday, 5th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Training

11:10 - 12:30 Tuesday, 5th September, 2023
GH043
Track Track A
Remote option Official online stream
Matthew Bluteau

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

Working with & as Researchers 1

11:10 - 12:30 Tuesday, 5th September, 2023
GH049
Track Track B
Remote option Official online stream
Marion Weinzierl

Submit questions on Slido. Event: #rsecon23; Room: GH049 (Track B)

Best Practices 1

11:10 - 12:30 Tuesday, 5th September, 2023
GH037
Track Track C
Remote option Official online stream
Stef Piatek

AI/ML

11:10 - 12:30 Tuesday, 5th September, 2023
GH001
Track Track D
Remote option Official online stream
Jenny Wong

Lunch

12:30 - 13:30 Tuesday, 5th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Best Practices 2

13:30 - 15:00 Tuesday, 5th September, 2023
GH043
Track Track A
Remote option Official online stream
Julian Lenz

Working with & as Researchers 2

13:30 - 15:00 Tuesday, 5th September, 2023
GH049
Track Track B
Remote option Official online stream
Sam Cunliffe

Submit questions on Slido. Event: #rsecon23; Room: GH049 (Track B)

Research Assessment

13:30 - 15:00 Tuesday, 5th September, 2023
GH037
Track Track C
Remote option Official online stream
James Graham

Submit questions on Slido. Event: #rsecon23; Room: GH037 (Track C)

Platforms

13:30 - 15:00 Tuesday, 5th September, 2023
GH001
Track Track D
Remote option Official online stream

Andy Turner

Submit questions on Slido. Event: #rsecon23; Room: GH001 (Track D)

Refreshments

15:00 - 15:30 Tuesday, 5th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Poster Lightning Talks

15:30 - 16:00 Tuesday, 5th September, 2023
GH043
Track Plenary
Remote option Official online stream

Each poster presenter has 2 minutes to quickly explain their poster.

In-person attendees will have the option at lunchtime on Wednesday to ask questions of the poster presenters.

Remote attendees can ask questions in advance of the Wednesday lunchtime session on Slido: Event #RSECon23-posters. Select the room for the poster you want to submit a question for.

Vote for your favourite posters on Slido. Event: #rsecon23; Room: Poster voting room. Voting closes at 5pm Wednesday.

Neil Chue Hong: Is RSE coming of age?

16:00 - 16:45 Tuesday, 5th September, 2023

GH043
Track Plenary
Remote option Official online stream

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

Since the coining of the term Research Software Engineer in 2012, the RSE community have focussed on understanding how to define what an RSE is, where they sit, and what they do. After a decade, we've realised that there isn't a single job profile for an RSE, and there are multiple pathways to becoming an RSE. So what comes next for the profession as it continues to mature? In this talk, I'll consider whether the RSE profession is defined not by what we do, but how and why we do things. How can research software engineering be meaningful and relevant to society, how can it continue to grow, and how can we make it easier to explain our job to others?

Conference Photo

16:45 - 17:00 Tuesday, 5th September, 2023
Gower Square
Track Plenary
Remote option None (in-person only)

Social Networking Event

19:00 - 23:00 Tuesday, 5th September, 2023
BUNKERS
Track Plenary
Remote option None (in-person only)

TODO: Details

RSE Leaders Dinner

19:00 - 23:00 Tuesday, 5th September, 2023
Dylan Thomas Centre
Remote option None (in-person only)

Refreshments

08:00 - 09:00 Wednesday, 6th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Firedrake: High productivity FEM simulations utilising sophisticated code generation

09:00 - 10:30 Wednesday, 6th September, 2023
GH043
Track Track A
Remote option None (in-person only)

Carpentries Offline Development Hackathon

09:00 - 10:30 Wednesday, 6th September, 2023
GH001
Track Track B

Remote option None (in-person only)

Trusted Research Environments: Stakeholder-centered design for the future of working with sensitive data

09:00 - 10:30 Wednesday, 6th September, 2023
GH014
Remote option None (in-person only)

How do we design and deliver sustainable digital research education

09:00 - 10:30 Wednesday, 6th September, 2023
GH029
Track Track D
Remote option None (in-person only)

RSE HPC Community Birds of a Feather Session

09:00 - 10:30 Wednesday, 6th September, 2023
GH049
Track Track E
Remote option Volunteer-managed

Andy Turner, Ed Hone, Marion Weinzierl

Both RSE HPC Community sessions can be joined remotely via a Zoom meeting. The Zoom meeting link will be emailed to all attendees as part of the final attendee email from Oxford Abstracts on Monday 04 September.

RSEs are critical to the effective use of HPC facilities by researchers - they cover the whole range of roles from RSEs embedded in research groups who support the development of software used on HPC facilities to RSEs associated with HPC facility support teams. In this session we will bring together RSEs that are involved with HPC to share knowledge about the current "state-of-the- nation" for RSEs and HPC, discuss topics of interest in the community and find ways to improve the organisation of the RSE HPC community for the future. The session will start with a series of 4-6 lightning presentations on key areas of current interest for the RSE HPC community. This will be followed by group discussion on the topics of interest to the attendees. Finally, all attendees will work together to produce an outline plan for ways to improve the organisation of the RSE HPC community. Based on discussions with colleagues across the HPC RSE community, we have identified the following topics to be covered in the lightning talks:

• UK Exascale – following the recent UK Government announcement, where do RSEs fit and what are their key roles in making UK exascale as beneficial as possible for research?

• Community benchmarking – how can the community build on the work done by the ExCALIBUR benchmarking team to reflect the requirements of HPC for UK research?

• Future technologies – how can RSEs support researchers in preparing applications for the next generation of HPC hardware?

• RSE HPC training - how can RSEs access training to improve their HPC skills and what training is required by the community?

In order to improve the organisation of the UK RSE HPC community (and its links worldwide) a number of actions need to be undertaken that can be bootstrapped by this session. In particular, working to identify existing UK RSE HPC groupings, formulating plans for future UK RSE HPC events (including topics of interest and submissions to future conferences) and identifying options for enabling a network of expertise in the RSE HPC area.

The outcomes of the session will be:

• A blog post or report on the BoF.

• A draft plan for improving the organisation of the UK RSE HPC community.

• 0900-0910 - Introduction and welcome
• 0910-0930 - UK Exascale presentation
• 0930-0945 - Technical lightning talks
• 0945-1030 - Discussion: Exascale and HPC technology/software

Unconferencing session 1

09:00 - 10:30 Wednesday, 6th September, 2023
GH011
Track Track F
Remote option None (in-person only)

You can discuss proposed unconference topics and propose a topic of your own on GitHub until 13:30 BST Tuesday 05 September.

You will be able to vote for your preferred uncomference topic for each session from 14:55 BST to 23:59 BST on Tuesday 05 September via this form.

Refreshments

10:30 - 11:00 Wednesday, 6th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Firedrake: High productivity FEM simulations utilising sophisticated code generation

11:00 - 12:30 Wednesday, 6th September, 2023
GH043
Track Track A
Remote option None (in-person only)

Carpentries Offline Development Hackathon

11:00 - 12:30 Wednesday, 6th September, 2023
GH001
Track Track B
Remote option None (in-person only)

GPU code optimization and automatic performance tuning made easy with Kernel Tuner

11:00 - 12:30 Wednesday, 6th September, 2023
GH014
Track Track C
Remote option None (in-person only)

How to use and contribute to a software sustainability dashboard

11:00 - 12:30 Wednesday, 6th September, 2023
GH029
Track Track D
Remote option None (in-person only)

RSE HPC Community Birds of a Feather Session

11:00 - 12:30 Wednesday, 6th September, 2023
GH049
Track Track E
Remote option Volunteer-managed
Andy Turner, Ed Hone, Marion Weinzierl

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• A blog post or report on the BoF.

• A draft plan for improving the organisation of the UK RSE HPC community.

• 1100-1120 - HPC training lightning talks
• 1120-1135 - HPC community lightning talks
• 1135-1215 - Discussion: Training and community
• 1215-1230- Wrap up and next steps

Unconferencing session 2

11:00 - 12:30 Wednesday, 6th September, 2023
GH011
Track Track F
Remote option None (in-person only)

You can discuss proposed unconference topics and propose a topic of your own on GitHub until 13:30 BST
Tuesday 05 September.

You will be able to vote for your preferred uncomference topic for each session from 14:55 BST to 23:59 BST on
Tuesday 05 September via this form.

Lunch

12:30 - 13:30 Wednesday, 6th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Poster Session

13:00 - 13:30 Wednesday, 6th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Vote for your favourite posters on Slido. Event: #rsecon23; Room: Poster voting room. Voting closes at 5pm Wednesday.

In-person attendees can come and chat with the poster presenters.

Remote attendees can ask questions in advance of the Wednesday lunchtime session on Slido: Event #RSECon23-posters. Select the room for the poster you want to submit a question for.

HPC Walkthroughs

13:30 - 15:00 Wednesday, 6th September, 2023
GH043
Track Track A
Remote option Official online stream
Robert Chisholm

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

Using ReFrame for reproducible and portable performance benchmarking

13:30 - 15:00 Wednesday, 6th September, 2023
GH001
Track Track B
Remote option None (in-person only)

Helping Support Reproducibility in Research: An introduction to Containers for RSEs

13:30 - 15:00 Wednesday, 6th September, 2023
GH014
Track Track C
Remote option None (in-person only)

Updates from around the RSE World: RSE Groups and Research Software recognition

13:30 - 15:00 Wednesday, 6th September, 2023
GH049
Track Track E
Remote option Volunteer-managed

Submit questions on Slido. Event: #rsecon23; Room: GH049 (Track E)

Both RSE Worldwide sessions can be joined remotely via a Zoom webinar (registration required). A registration link for the RSE Worldwide Zoom webinar will be emailed to all attendees as part of the final attendee email from Oxford Abstracts on Monday 04 September.

Purpose of this session:
It is to update the RSE community about the advancement of RSE Groups in your country and/or advancement of the recognition and importance of Research Software in your country.

13:30 Introduction - Claire 5 mins

13:35 Paul Richmond updates us on the latest with UK RSE Groups taken from the recent 2023 survey. 10 mins

13:45 Kim Martin gives us 'Insights into the UK RSE groups' after her tour earlier this year around the UK. And she'll update us on the progress in South Africa of RSE awareness at her institute and others. 25 mins

14:10 Stephan Druskat will give us the news from Germany. 12 mins

14:22 Saranjeet Kaur from RSE Asia will update us on the news from that part of the world. 12 mins

14:34 Ian Cosden on the progress made in the US on RSE groups and the recognition of research software (remote speaker) 12 mins

14:46 Mateusz Kuzak presents an update from the Netherlands and eScience Center. 12 mins

15:00 Wrap up & Close session - Claire

Unconferencing session 3

13:30 - 15:00 Wednesday, 6th September, 2023
GH011
Track Track F
Remote option None (in-person only)

You can discuss proposed unconference topics and propose a topic of your own on GitHub until 13:30 BST Tuesday 05 September.

You will be able to vote for your preferred unconference topic for each session from 14:55 BST to 23:59 BST on Tuesday 05 September via this form.

Refreshments

15:00 - 15:20 Wednesday, 6th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Python Walkthroughs

15:20 - 16:05 Wednesday, 6th September, 2023
GH043
Track Track A
Remote option Official online stream
Declan Valters

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

Using ReFrame for reproducible and portable performance benchmarking

15:20 - 16:50 Wednesday, 6th September, 2023
GH001
Track Track B
Remote option None (in-person only)

Helping Support Reproducibility in Research: An introduction to Containers for RSEs

15:20 - 16:50 Wednesday, 6th September, 2023
GH014
Track Track C

International RSE Community Building: learn about the fundamentals of community building and join the launch of a 'Howto Guidebook on international RSE Community Building

15:20 - 16:50 Wednesday, 6th September, 2023
GH049
Track Track E
Remote option Volunteer-managed

Submit questions on Slido. Event: #rsecon23; Room: GH049 (Track B)

Both RSE Worldwide sessions can be joined remotely via a Zoom webinar (registration required). A registration link for the RSE Worldwide Zoom webinar will be emailed to all attendees as part of the final attendee email from Oxford Abstracts on Monday 04 September.

Purpose of this session:
Step 1: Learn from the CSCCE's Lou Woodley about the fundamentals of community building
Step 2: Hear about examples from around the world of what's working and what's not
Step 3: Be part of the new 'International RSE Community Building Handbook'

15:20 Intro about the session - Claire 5 mins

15:25 Lou Woodley from the CSCCE will talk us through some of the fundamentals of creating a community of practice (remote speaker) 35 mins including Q&A

Community Building in Practice (what works and what doesn't!)

16:00 UK RSE Community Past, Present & Future - Lyndsey Ballantyne (UK RSE Community Manager) (video) 10 mins

16:10 Ian Cosden updates us on the community building efforts in the US RSE. (remote speaker) 10 mins

16:20 Anelda Van der Walt, Director/Trainer at Talarify presents the community building at 'Research Software & Systems Engineers of Africa' (RSSE) (remote speaker) 10 mins

16:30 Stephan Druskat from DLR in Germany informs us about the community building activity in deRSE. 10 mins

Creating an International RSE Community Building Handbook

16:40 Group ideas session: How to create our online handbook for community building? https://rse-worldwide.github.io/RSE-Community-Building/intro.html | Communal note taking for the handbook - link here: https://hackmd.io/@rseteam-ncl/RSEWORLDWIDE

17:00 Close session - Claire

Unconferencing session 4

15:20 - 16:50 Wednesday, 6th September, 2023
GH011
Track Track F
Remote option None (in-person only)

You can discuss proposed unconference topics and propose a topic of your own on GitHub until 13:30 BST Tuesday 05 September.

You will be able to vote for your preferred uncomference topic for each session from 14:55 BST to 23:59 BST on Tuesday 05 September via this form.

Society AGM

17:00 - 18:00 Wednesday, 6th September, 2023
GH043
Track Plenary
Remote option Official online stream

Submit questions on Slido. Event: #agm23

Formal Dinner

19:00 - 22:00 Wednesday, 6th September, 2023
Sir Stanley Clarke Auditorium
Track Plenary
Remote option None (in-person only)

A three course meal in the Sir Stanley Clarke Auditorium of the Great Hall at the Bay Campus. Drinks will be available from the bar from 6pm, sitting down for food at 7pm.

After-dinner entertainment will be provided by Matt Parker, Standup Mathematician

Refreshments

08:30 - 09:10 Thursday, 7th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Awards Ceremony

09:10 - 09:35 Thursday, 7th September, 2023
GH043
Remote option Official online stream

Plenary Panel: Research Software Engineering beyond Universities

09:35 - 10:20 Thursday, 7th September, 2023
GH043
Track Plenary
Remote option Official online stream

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

This panel session will bring together members of the Research Software Engineering community to share their experiences of RSE work across industry, national laboratories, charity and the public sector. We will explore similarities and differences between the sectors, particularly in comparison to a university setting. The underlying aim of this panel is to showcase alternative careers to, what may be perceived as, the more traditional RSE roles within an RSE team or embedded within a university research group. We will also attempt to explore similarities and differences to identify practices that can be shared across the sectors. There will be an opportunity for the audience to submit questions to slido.

Panelists:
• Adam Hill (University of Southampton)
• Arthur Turrell (Bank of England, Office of National Statistics)
• Emily Jefferson (HDR UK)
• Emma Hogan (Met Office)
• James Byrne (British Antarctic Survey)
• Tania Allard (Quantsight Labs).

Closing remarks

10:20 - 10:30 Thursday, 7th September, 2023
GH043
Track Plenary
Remote option Official online stream
Ed Bennett

Refreshments

10:30 - 11:00 Thursday, 7th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

Digital Humanities

11:00 - 12:30 Thursday, 7th September, 2023
GH043
Track Track A
Remote option Official online stream
Domhnall Carlin

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

Working with & as Researchers 3

11:00 - 12:30 Thursday, 7th September, 2023
GH049
Track Track B
Remote option Official online stream
Matthew Bluteau

Submit questions on Slido. Event: #rsecon23; Room: GH049 (Track B)

OSS & Tooling 1

11:00 - 12:30 Thursday, 7th September, 2023
GH037
Track Track C
Remote option Official online stream
Alessandro Felder

Submit questions on Slido. Event: #rsecon23; Room: GH037 (Track C)

RSE Culture

11:00 - 12:30 Thursday, 7th September, 2023
GH001
Track Track D
Remote option Official online stream
Stefanie Reuter

Submit questions on Slido. Event: #rsecon23; Room: GH001 (Track D)

Lunch

12:30 - 13:30 Thursday, 7th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

RSE Outside Universities

13:30 - 15:00 Thursday, 7th September, 2023
GH043
Track Track A
Remote option Official online stream
Peter Schmidt

Submit questions on Slido. Event: #rsecon23; Room: GH043 (Track A / Plenary)

Working with Legacy

13:30 - 15:00 Thursday, 7th September, 2023
GH049
Track Track B
Remote option Official online stream
Chris Edsall

Submit questions on Slido. Event: #rsecon23; Room: GH049 (Track B)

OSS & Tooling 2

13:30 - 15:00 Thursday, 7th September, 2023
GH037
Track Track C
Remote option Official online stream
Jack Atkinson

RSE Communities

13:30 - 15:00 Thursday, 7th September, 2023
GH001
Track Track D
Remote option Official online stream
Jeremy Cohen

Submit questions on Slido. Event: #rsecon23; Room: GH001 (Track D)

Refreshments

15:00 - 15:30 Thursday, 7th September, 2023
Sir Stanley Clarke Auditorium
Remote option None (in-person only)

RSE Training

09:30 - 15:05 Friday, 8th September, 2023
GH014
Remote option None (in-person only)
Pip Grylls

The Satellite Training event has been organised to bring together the community of RSEs who deliver training to share and discuss ideas and best practice. We have identified four loose themes within which presenters will provide talks in the morning to be followed by discussion sessions after lunch, these are:

- Delivery styles and techniques
- Development of training materials
- Policy, culture, and resourcing
- Developing RSEs to deliver training

The event will finish with some feedback from the discussion groups and discussion group chairs will provide a brif report which will be hosted here and publicised to support RSEs who train.

[A full agenda for this satellite event can be found at https://pipgrylls.github.io/RSECon23-Training-Satellite-Event/information/orginisation/Schedule/](https://pipgrylls.github.io/RSECon23-Training-Satellite-Event/information/orginisation/Schedule/)