

HPC Champions

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HPC-SIG

25th February 2020

Acknowledgements

- Jo Beech-Brandt
- Alan Simpson
- Andy Turner

~~Archer~~HPC Champions

What is the aim of champions?

What is a Champion?

What has come out of Champions?

Knowledge base for HPC

Future events

Aim: To create a network of HPC Champions that would look to:

- *Provide a support network between staff members whose role involves advising users on access to local, regional and national HPC resources.*
- Help to promote a coherent access structure to HPC resources across the UK, with coordination between tiers.
- *Support and promote activities designed to provide career development to research software engineers seeking a career in HPC.*
- Support and promote activities to broaden the UK HPC user base to new disciplines and communities.
- **Participate in HPC Champions Workshops communities.**
- **Promote common training material and techniques.**

An HPC Champion is:

- An individual within a regional or national centre (or institution with equivalent resources) who is engaged in: advising users on the access of appropriate computational resources: and in supporting these users to access and exploit these resources appropriately.
- A research software engineer located within a consortium or equivalent group of HPC users. They would act as a champion within their consortium - providing advice on support mechanisms, obtaining training in appropriate HPC technologies and HPC career development skills and engaging in outreach activities.
- An HPC user with development/practise expertise in a particular domain supporting their local/community users.

What has been done?

- Run 8 workshops often co-located with other events (HPC-SIG, SSI, Women-in-HPC, RSECon)
- Evolved to HPC Champions following launch of Tier 2, recognising role at all 'Tiers' of HPC
- Wide range of talks: technical, scientific, community/opportunity, policy
- Monthly 'Tier-2' RSE call
- Developed website: <https://www.hpc-uk.ac.uk/> summarising resources and opportunities for hpc in the UK (PRs welcome)

Knowledge Base

A recurring theme has been around sharing knowledge

- There is a huge amount of knowledge in the community(s) but often it is siloed
- Repos increasingly used for build instructions for systems
- Email chains, internal ticketing systems are not easily searchable/publicly readable

What is the best way to share this knowledge?

Knowledge Base

Tomorrow's HPC Champions will run a workshop focussed on this:

- Stackexchange?
 - Join? Computational science stackexchange community
 - Create? HPC stackexchange community
 - Absorb? Stackexchange standard
- Public repos for
 - build/set-up
 - Training materials

Linked as answers to questions

shared via <https://www.hpc-uk.ac.uk/>



Thank you for listening ...



Grab me (Jo, Alan) for a chat, or email
rjg20@bath.ac.uk with thoughts/suggestions