

A Whistle Stop Tour of Isambard Hack*

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Archer/Tier-2/Regional/HPC Champions Workshop
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Overview



Isambard partners

A typical Hackathon

{Is the} Future Hackathon(s)

Partners





RAISING STEAM

1ST ISAMBARD HACKATHON - BRISTOL
NOVEMBER 2ND & 3RD 2017

arm



Raising Steam



Stoking the Fire



EPSRC



**STOKING
THE FIRE**

**2ND ISAMBARD HACKATHON-BRISTOL
MARCH 19TH & 20TH 2018**

arm



Open  CFD®



UNIVERSITY OF
Southampton

The plan ...



- ▶ Introductions and goals
- ▶ The TX2 architecture
- ▶ ARM software
- ▶ Cray Programming Environment
- ▶ Hands on - "Roll up your sleeves"
- ▶ Overview
- ▶ Slides
- ▶ Hack'event'/workshop, documentation, policy

Objectives



Target "10" highest use codes on ARCHER:

Raising Steam

VASP, GROMACS, CP2K, UM, OpenFOAM

Stoking the Fire

CASTEP, HYDRA, NAMD, Oasis, SBLLI, OpenFoam, UM and NEMO

Port, (validate), benchmark, optimise

Find bugs - in libraries; in codes? Profile?

Excellent opportunity to develop the Tier-2 community
(RSEs, SysOps, Researchers, Code developers)

Training with/provided by suppliers

Develop collaborations

Share experience

Hackathon teambuilding meal (subject to funding)

Future Hackathon(s)



1. Raising Steam
2. Stoking the Fire
3. Off the rails?

Future Hackathon(s)



1. Raising Steam
2. Stoking the Fire
3. Train wreck?

Future Hackathon(s)



1. Raising Steam
2. Stoking the Fire
3. Tunnel vision?

- ▶ Is this something that could benefit across Tier-2(s)?
- ▶ What would it look like?
- ▶ Where will we/you get funding?

End of the line



Thank you!

Any short questions?