# Call for participation

## HUST-2018: Fifth International Workshop on HPC User Support Tools.

Held in conjunction with:

SC18: The International Conference on High Performance Computing, Networking, Storage and Analysis.

Dallas, TX, USA
November 2018

# 1   Introduction

Supercomputing centers exist to drive scientific discovery by supporting researchers in computational science fields. To make users more productive in the complex HPC environment, HPC centers employ user support teams. These teams serve many roles, from setting up accounts, to consulting on math libraries and code optimization, to managing HPC software stacks. Often, support teams struggle to adequately support scientists. HPC environments are extremely complex, and combined with the complexity of multi-user installations, exotic hardware, and maintaining research software, supporting HPC users can be extremely demanding.

With the fourth HUST workshop, we will continue to provide a necessary forum for system administrators, user support team members, tool developers, policy makers and end users. We will provide a forum to discuss support issues and we will provide a publication venue for current support developments. Best practices, user support tools, and any ideas to streamline user support at supercomputing centers are in scope.

# 2   Topics

Topics of interest include, but are not limited to:

- defining and customising the user environment
- software build and installation tools
- tools and frameworks for using system performance analysis tools
- workflow and pipeline tools
- collaboration tools
- novel environments: cloud, support for Docker.
- supporting Hadoop and Spark clusters for **Big Data**
- establishing baseline configuration efforts for HPC
- software tools for system **testing and monitoring**
- documentation: **creating, maintaining and auto-updating**

# 3   Submission Details

We invite authors to submit original, high-quality work with sufficient background material to be clear to the HPC community.

## 3.1   Format

Submissions are at a length of 8 pages(IEEE conference format) with a 10- page limit (see https://www.ieee.org/conferences/publishing/templates.html). The page limit includes figures, tables, and your appendices, but does not include references, for which there is no page limit. Papers should be submitted in PDF format. We kindly refer authors to the necessary templates [2].

All submissions should be made electronically through the Easychair website [3]. Submissions must be double blind, i.e., authors should remove their names, institutions or hints found in references to earlier work. When discussing past work,

they need to refer to themselves in the third person, as if they were discussing another researcher's work. Furthermore, authors must identify any conflict of interest with the PC chair or PC members.

Proceedings will be published in the IEEE Xplore digital library through collaboration with IEEE TCHPC.

# 4 Important dates

- Submission deadline: August 27th 2018
- Workshop paper reviews: by September 21st 2018
- Acceptance notifications: October 2nd 2018
- Camera-ready papers: October 12th 2018
- Workshop: At SC'18, November 11th 2018

# 5 Organisers

- Christopher Bording, IBM Research, United Kingdom
- Elsa Gonsiorowski, LLNL, USA
- Olli-Pekka Lehto, Jump Trading, LLC, United Kingdom

## 5.1 General Chair

- Christopher Bording

## 5.2 Program Co-Chairs

- Elsa Gonsiorowski
- Olli-Pekka Lehto

## 5.3 Program Committee

- TBD