Contribution ID: **227**   Type: **not specified**

Tuning and optimisation of parallel programs on the CHPC supercomputer

Sunday, 2 December 2018 15:30 (1h 30m)

Description:
This session will cover various aspects of analysing and optimising parallel programs to achieve optimum performance on the supercomputer. Tuning and Analysis Utilities (TAU) callgraph visualization system will demonstrate how to analyse different objects (e.g. modules, routines and functions) and identify performance bottlenecks within parallel applications.

Target Audience:
Parallel program users, developers and administrators

Prerequisites:
Attendees must at least have knowledge of compiling and running parallel applications on a cluster.

Type of Tutorial:
Mix of lectures and practicals

Special Requirements:
No need for attendees to have laptops. Presenter will demonstrate practical exercises on his laptop.

Outline:
08:00
Registration
09:00

10:30
Morning Refreshment Break
11:00

12:30
Lunch
13:30
Tuning and optimisation of parallel programs on the CHPC supercomputer
15:00
Afternoon Refreshment Break
15:30
Tuning and optimisation of parallel programs on the CHPC supercomputer
17:00
End of Day

Presenter Biography

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Session Classification: Tuning and optimization of parallel programs on the CHPC cluster