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Message Passing

Tuesday, 24 February 2015 13:30 (1 hour)

This lecture shows a detailed overview on message passing computing. There are different approaches to perform message passing. The lecture will discuss them and to evaluate their advantages and disadvantages with special focus on high performance computing.

Targeted audience: This lecture targets scientists in general working with big data and using computer cluster to compute, analyze or collect data.

Benefits of attending the lecture: After this lecture, the attendees are expected to have a good understanding of the principles of high performance computing. The challenges science poses towards computer technologies and how it is handled.

Prerequisites: To draw maximum benefits of the lecture, the attendant should preferably have had some contact with a big computer cluster already.

Dependencies: Though all lectures are in principle independent, in the case of a series, there might be some benefit for listeners to have attended the first lecture of the series.

Presenter: HARTMANN, Helvi (FIAS)

Session Classification: Bigger, Faster, High Performance Computing - and the importance of Message Passing