TUTORIAL 1

LINUX FOR EDA

Speakers:

Stephen Edwards – Columbia University, New York, NY
Tom Grotton - Cadence Design Systems, Inc., San Jose, CA
Tim Marriott – Synopsys, Inc., Santa Clara, CA
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Background: Over the last three years a large number of EDA tools have become available under Linux. While it is clear that the EDA industry has adopted Linux as one of the main platforms, the process of migrating applications to it has not reached maturity yet. This tutorial is therefore addressed to people involved in developing, porting, or deploying EDA software in the Linux environment. The tutorial will cover portability issues, programmer productivity tools, and performance analysis tools. The tutorial will also include a section on grid computing and the benefits and complexities of using parallel computing for CAD applications. Finally, the tutorial will include a discussion of the challenges involved in making Linux the main development platform.

The tutorial is intended for designers and CAD engineers interested in Linux as a CAD platform. Basic background in software development is useful though not needed.