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Software Seminar: Dr Paul Francis from NTT Software Lab will be

Tamara Tessier   Oct 19, 1999 2:00 AM
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THE UNIVERSITY OF MICHIGAN
Computer Science & Engineering Division

Software Seminar

Yallcast: Extending the Internet
Multicast Architecture

Dr. Paul Francis
NTT Software Lab

Abstract:
IP multicast suffers from a number of technical problems, lacks
applications, and in general is having trouble reaching critical mass,
especially regarding anything resembling a global infrastructure.
Server-based approaches are valuable and wide-spread, but there is no
synergy in terms of multiple distinct groups working within the same
architecture. As a result, progress is not as fast as it could be, and
consumers are strapped with multiple application-specific infrastructures
to deal with.

This talk presents an architecture, called Yallcast, that aims to unify
both tracks under a single umbrella architecture. Yallcast attempts to take
the best from both tracks--reliable and asynchronous distribution from the
server-based track, and dynamic auto-configuration via a simple API from
the IP multicast track.

Biography:
Dr. Francis has been a researcher in the area of internet routing and
addressing for over a decade. His focus is on scaling and
self-configuration. He is currently working on protocols for supporting
host-based multicast.

Wednesday, November 3, 1999
Time 2:00-4:00 PM
Room #1005 EECS

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Tamara Tessier
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