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29 JUNE - 2 JULY 2004, AMSTERDAM, THE NETHERLANDS
* 28 JUNE IS FOR PRE-CONFERENCE SESSIONS AND REGISTRATION

Microsoft Academic Pavilion

Every year Microsoft invites selected students and faculty members to Microsoft Tech-Ed Europe. In addition to an evening academic social event we will be highlighting a selection of academic projects from across Europe. These academic projects will be on display at the Microsoft Academic Pavilion. The Academic Program is a demonstration of the commitment by Microsoft to the Academic Community.

Students and staff from the following academic institutions will be showing their research projects:

University of Linz, Austria

The Compiler Generator Coco/R

Coco/R is an open source compiler generator for C# which produces a scanner and a recursive descend parser from an attributed EBNF grammar. Grammars can be LL(k) for an arbitrary k. We have used Coco/R to build a C# front end, a white-box testing tool, a profiler, a static analyzer and a CodeDOM generator.

Smart Analysis of Logs

Especially in multithreaded and distributed environments, today's programs abound in components that interact in complex ways. These programs often exhibit fancy features and subtle errors during development and operation. Logs containing fixed-format streams with ordered name/type/value entries are commonly used for testing and debugging such programs. Smart Log Analyser supports analysis of such logs from different data sources (program components) in various application domains. You control the analyser with a powerful language for describing log patterns.

F.H. Hagenberg, Austria

The Virtual Guide Dog

Our research project "virtual guide dog" aims to enable vision-challenged people (who are frequently classified as "blind" by European government definitions, but their visus is in the range of 2-30%) to interact with a computer by means of well-defined interface processes as well as color-coded GUI elements.

MOSES, Mobile Safety System

The goal of this project is to create a safe working environment for maintenance personnel working on big and complex industrial machines. Shutting down such a machine is more complex than turning off a PC and needs more than 100 working and security steps. To ensure safety for the maintenance personnel it's important that all of these steps were performed before maintaining the machine.

Ghent University, Belgium

MPEG-21 Session Mobility

MPEG-21 Session Mobility makes it possible to transfer multimedia sessions from one multimedia device to other multimedia devices. Our demonstration shows how a streaming video session can be transferred between a Windows Mobile 2003 Pocket PC and a notebook. This illustrates the power of combining .NET and MPEG-21 technology.

University of Nice, France