Panel on typed intermediate languages for compiling object-oriented languages

Moderator: Kim Bruce (Williams College)

Panelists: Craig Chambers (University of Washington)
Suresh Jagannathan (NEC Research)
Greg Morrisett (Cornell University)
Zhong Shao (Yale University)

Over the last several years researchers have shown that the use of typed intermediate languages can have advantages in the compilation of functional programming languages. More recently several groups have begun investigating the use of typed intermediate languages in the compilation of object-oriented languages. Several of the panelists have been involved in these efforts.

The panelists have been asked to comment on the following issues:

1. What are the advantages (if any) of typed intermediate languages for compiling OOL's?
2. What makes one typed intermediate language for OOL's better than another?
3. Is there any role for theory to play in the design of typed intermediate languages for OOL's?