

Functional Programming and Semantics of Programming Languages
Olivier Danvy and David Schmidt, Program Coordinators

The following program is preliminary. The talks will generally last from 8:30 a.m. - 1:30 p.m. daily.

******* Monday, August 26, 1991, KSU Union Room 207 *******

Flemming Nielson, University of Aarhus, Denmark, "On the Complexity of Static Program Analysis"

Hanne Riis Nielson, University of Aarhus, Denmark, "Techniques for Transforming Functional Programs"

******* Monday, September 2, 1991, Nichols Hall 122 *******

John O'Donnell, University of Glasgow, Scotland, "Calculating Parallel Algorithms"

Cordelia Hall, University of Glasgow, Scotland, "How to Persuade a Typechecker to do Strictness Analysis"

Kyung-Goo Doh, Kansas State University, "Extraction of Strong Typing Laws from Action Semantics Definitions"

Olivier Danvy, Kansas State University, "For a Better Support of Static Data Flow"

******* Tuesday, September 3, 1991, KSU Union Room 207 *******

Daniel Le Metayer, University of Rennes, France, "Parallel Implementation of Functional Languages"

Pascal Fradet, University of Rennes, France, "Syntactic Detection of Single-Threading using Continuations"

Thomas Jensen, Imperial College, England, "Abstract Interpretation and Programming Logics"

Karoline Malmkjaer, Kansas State University, "On Static Properties of Specialized Programs"

******* Wednesday, September 4, 1991, KSU Union Room 207 *******

Peter Sestoft, University of Copenhagen, Denmark, "Evaluation Order Analysis for Lazy Data Structures"

Maria Zamfir-Bleyberg, Kansas State University, "Using And/Or Algebraic Theories in Concurrency"

Masaaki Mizuno and David Schmidt, Kansas State University, "A Security Flow Control Algorithm and Its Denotational Semantics-based Correctness Proof"

******* Thursday, September 5, 1991, KSU Union Room 212 *******

Erik Meijer, University of Nijmegen, the Netherlands, "More Advice on Proving Compilers Correct: Improve Correct Compilers"

David Schmidt, Kansas State University, "Action Semantics-based Language Design"

Olivier Danvy, Kansas State University, "Free Wheeling between Direct and Continuation-Passing Styles"

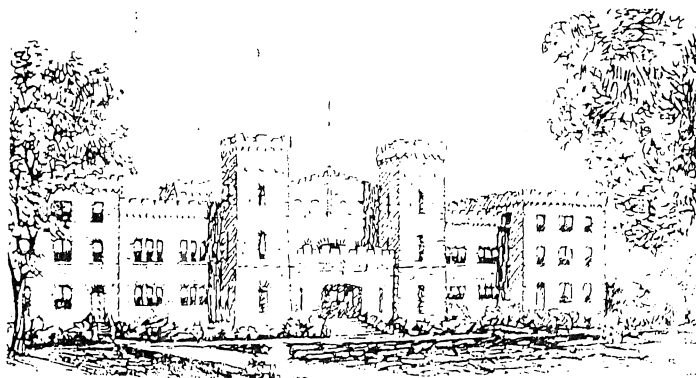
******* Friday, September 6, 1991, KSU Union Room 207 *******

Gurdip Singh, Kansas State University, "Parallel Composition of Distributed Protocols"

Jan Chomicki, Kansas State University, "Language Constructs for Schema Restructuring in Heterogenous Object-Oriented Databases (preliminary report)"

Kansas State University
Computing & Information Sciences
234 Nichols Hall
Manhattan, KS 66506

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Sponsored by

Computing & Information Sciences
Kansas State University
Manhattan, Kansas

August 26 & September 2-6, 1991

The Computing & Information Sciences Department is sponsoring a series of informal research talks on functional programming and semantics of programming languages. The talks feature speakers from the Universities of Aarhus and Copenhagen (Denmark), Rennes (France), Glasgow (Scotland), Nijmegen (the Netherlands), Imperial College (England), as well as local speakers of various nationalities (Denmark, France, India, Korea, Poland, Rumania, and the USA).

Location:

Talks will be located at the Kansas State University Union and Nichols Hall.

Getting to Manhattan:

The nearest major airport is Kansas City. If you fly USAir, it is possible to extend your ticket with a round-trip connection between Kansas City and Manhattan for \$30 (you are advised to get your boarding pass on the first check-in). Otherwise, the connection costs around \$100. Two companies, Travellers Express and RoadRunner, offer minibus shuttle service between Kansas City International airport and any place in Manhattan for around \$30 each way (\$50 for a round trip).

Lodging:

There are several hotels to serve you. Ramada Inn (913-539-7531) (across the street from the university), Holiday Inn (913-539-5311), Days Inn (913-539-5391), and the Best Western (913-776-4711).

Dining:

Food is not expensive: Manhattan offers cafes, a few ethnic restaurants (Cajun, Chinese, Indian, Italian, Mexican), and the usual American fast food chains. Adjacent to Manhattan, Council Grove offers the oldest continuously operating restaurant West of the Missouri: Hayes House (half an hour from Manhattan). Junction City (20 minutes from Manhattan) and Ogden (10 minutes from Manhattan) offer good Korean and German restaurants.

Registration:

There is no registration fee and there will be no proceedings. If you would like to give a talk, please contact David Schmidt (schmidt@cis.ksu.edu) or Olivier Danvy (danvy@cis.ksu.edu) at the Department of Computing and Information Sciences, Kansas State University, Manhattan, KS 66506, USA. Phone number: (913) 532-6350. Fax number: (913) 532-7353. E-mail contact is preferred.