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PANEL 14 RESEARCH DIRECTIONS IN COMPUTER-AIDED SOFTWARE ENGINEERING (CASE)

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Recommended Citation

Lyytinen, Kalle, "PANEL 14 RESEARCH DIRECTIONS IN COMPUTER-AIDED SOFTWARE ENGINEERING (CASE)" (1990).
ICIS 1990 Proceedings. 12.
<http://aisel.aisnet.org/icis1990/12>

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PANEL 14

RESEARCH DIRECTIONS IN COMPUTER-AIDED SOFTWARE ENGINEERING (CASE)

Panel Chair: Kalle Lyytinen, University of Jyväskylä, Finland

Panelists: François Bodart, University of Namur, Belgium
Sue Conger, City University of New York, USA
Wanda Orlikowski, Massachusetts Institute of Technology, USA
Richard J. Welke, Erasmus University Rotterdam, Netherlands

Currently, there is tremendous interest and investment in the automation of the systems development process. This trend toward Computer-Aided Software (Systems) Engineering (CASE) and Integrated Programming Support Environments (IPSE), as with any other computer intervention into a previously manual activity, holds both promise and problems. The purpose of this panel is to explore both the problems and opportunity aspects of the CASE arena from the standpoint of current and potential areas of research.

In particular, the panel will address:

- CASE as an organizational intervention including
 - the introduction and management of CASE technologies in the organization
 - the impact of CASE tool use in such areas as work-organization, productivity, and outcome quality
- CASE as an inter-tool, inter-person communication system
- CASE and its potential as an expert system for systems development
- The growing inter-relationship between systems development methods and CASE capabilities
- An overview of the technical issues and obstacles surrounding CASE including convergent meta-models, standards, multiple methodology support, the role of repositories, and autodraw

The panel examining these issues are leading researchers engaged in new technological and sociological developments in the CASE field and/or have carried out empirical studies on the impact of CASE in organizations.

pitfalls of the European Commission's strategy for firms in need of advanced international telecommunications services. He will attempt to illustrate the implications of EC directives for the user community while identifying the actions that multinational users can take to influence the course of telecommunications reform.