



3rd International Workshop on Net-Centric Computing

May 14, 2001; Toronto, Canada

NCC 2001

Migrating to the Web

The underlying principle of Net-Centric Computing (NCC) is a distributed environment where applications and data are downloaded from servers and exchanged with peers across a network on as-needed basis. This is in stark contrast to the use of powerful personal computers that rely primarily on local resources. In some respects, NCC resembles an earlier computing era of mainframes and dumb terminals. However, there are significant differences. NCC relies on portable applications running on multiple platforms, mobile data accessed via high-speed network connections, and low-cost appliances for local processing.

In keeping with the theme of “Migrating to the Web,” NCC 2001 will focus on issues related to reengineering legacy systems for use in an NCC environment. Of particular interest are holistic techniques for Web-enabling existing applications that integrate various reengineering aspects (e.g., code, data, and user interface reengineering) into a “whole system” modernization process. The workshop will be structured around three central issues: decomposing legacy systems to identify logical components representing essential functionality, developing a new Web-enabled system using these components, and deploying the new system in an NCC environment.

NCC 2001 will be held with the 23rd *International Conference on Software Engineering* (ICSE 2001). ICSE is the flagship event focused on all aspects of software engineering that is sponsored by both the Association for Computing Machinery and the IEEE Computer Society. NCC 2001 will provide an opportunity for the exchange on information related to exciting new research and empirical results in areas including (but not limited to):

- Business issues in migrating to the Web
- Integration strategies based on XML and nascent standards such as SOAP
- Mining assets from existing systems
- Networking concerns in deploying NCC applications in fixed-link and wireless settings
- Using distributed component technology in developing Web-enabled systems

NCC 2001 will include invited talks, short paper presentations, and discussion sessions. Participants should submit a short position paper, not to exceed 2000 words (4 pages using 10-point type), including figures and references. Submissions may be in Adobe Acrobat PDF, Microsoft Word, or Postscript formats. **Submissions must be sent as an email attachment to stilley@cs.ucr.edu by 5pm Pacific time on Thursday, March 15, 2001.** Authors of accepted papers will be notified by March 26, 2001. Proceedings will be published electronically.

Organizers

Jens Jahnke, University of Victoria, Canada
Kostas Kontogiannis, University of Waterloo, Canada
Eleni Stroulia, University of Alberta, Canada
Scott Tilley, University of California, Riverside, USA
Kenny Wong, University of Alberta, Canada



For More Information

NCC 2001: www.cs.ucr.edu/~stilley/ncc2001

ICSE 2001: www.csr.uvic.ca/icse2001