Call for papers

vrije Universiteit *amsterdam*

9th European Conference on
Cognitive Science Approaches to Process Control (CSAPC'03)

Cognition and Collaboration - Distributed Cognition in Complex Processes

16-19 September 2003 - Amsterdam, The Netherlands

An EACE Conference Series - European Association of Cognitive Ergonomics
Main sponsor: Vrije Universiteit, Amsterdam.

CSAPC
CSAPC is one of the two conference series organised by EACE (the European Association of Cognitive Ergonomics). It was initiated in 1987 near Paris and successively held in Denmark, Finland, France, Italy, United Kingdom, France, and Germany.

It is a European and biennial conference series aiming at bringing together well-known experts in cognitive psychology and ergonomics, human-machine systems, and artificial intelligence, to discuss their multidisciplinary studies dealing with design and evaluation of complex, dynamic, and risky human-machine systems. The stakes of this kind of research are major in a number of application domains, such as industrial process control (e.g.: nuclear power plant or process industry), aviation (e.g.: cockpit or air traffic control), ship navigation, car driving (e.g.: advanced computer support), medicine (e.g.: anaesthesiology in operation room), etc. Researchers and practitioners studying dynamic situations are used to attend conferences or congress sessions specific to each application domains and each scientific discipline separately. However, common research topics and practical problems spring from these application domains and need to be addressed at a certain level of generality for reaching appropriate solutions in cognitive ergonomics and engineering. This search for similarity and differences across application domains is one of the main objectives of CSAPC.

The language of the conference is English as a second language. CSAPC is designed to enable interactions between participants from all European countries. Presentations are long and followed by deep discussions after each talk and during long breaks. The number of participants is about 80 to improve interactions. The best papers are selected for publication, after appropriate extension, in scientific Journals.

CSAPC'03
The next conference will stress the issues related to the increasing possibility to develop "intelligence" and "knowledge" in the systems to be designed. Human operators and other stakeholders will increasingly find themselves in a situation where cognition is distributed, both between human stakeholders, between humans and information technology, and between all these and relevant representations that feature in the work situation.

Emerging questions are about the risks of distributed decision making, distributed support for decisions, and the application of multiple types of representations, especially in time- and safety-critical situations. These questions ask for a vision on how to safeguard consistency, mutual understanding, and knowledge management. Onthologies can be expected to increase in importance, as will be tools for managing complexity in unexpected situations and under time constraints.

Speakers are invited to make explicit their main objectives, theories, and methodologies, to enable colleagues from other disciplines to appreciate their contributions to the multidisciplinary domain.

CSAPC'03 will be held in the Vrije Universiteit in Amsterdam. It will be mainly sponsored by this University that has a growing and very interdisciplinary research team on Interactive Systems. Although this team is part of the Software Engineering Department, the team members have a background in disciplines like Graphic arts, Electronic Music, Psycholinguistics, Cognitive Psychology, and Organisational Psychology, Multimedia technology, or Computer Science. The department is part of the Computer Science section of the Faculty of Sciences.

Paper submission
Authors are invited to electronically submit their extended abstracts (in MS-word, RTF, PDF, or plain ASCII, about 5-page long), by e-mail to the conference office at: csapc03@cs.vu.nl not later than December 20. Papers will be selected on the basis of 35-min oral presentations including 10-min discussions, or poster session presentation.

Conference location
De Vrije Universiteit is situated in the south of Amsterdam. A regular train connection to Schiphol airport takes 8 minutes to the Amsterdam Zuid WTC railway station, plus and additional 5 minutes walk from the University. The Amsterdam Central Station is 25 minutes by Metro. The conference secretariat has blocked reasonably priced hotel rooms in the neighbourhood of the University and will provide information on other available hotels.

During the conference there is some time allocated to optional visits to several interesting laboratories and industry settings in the domain of complex systems control issues. There will be a social event related to a historic location in Amsterdam.

Conference Chair	Gerrit C. van der Veer	

Organisation Committee

Erik Hollnagel	Jean-Michel Hoc	Antonio Rizzo
Johan F. Hoorn	Elly Lammers	Gerrit C. van der Veer

International Programme Committee

Sebastiano Bagnara	Pietro Cacciabue	José J. Cañas
Bernhard Döring	Geert de Haan	Karl-Friedrich Kraiss
Leena Norros	Patrick Millot	John Patrick
Bernard Pavard	Matthias Rauterberg	Tjerk W. van der Schaaf
Oliviero Stock	Ola Svenson	Bernhard Zimolong

Timetable	Reception of extended abstracts: December 20, 2002
	Review period: January to February 21, 2003
	Reply to authors: March 15, 2003
	Reception of final papers: June 15, 2003

Conference secretariat	Vrije Universiteit, FEW, Computer Science
	CSAPC, room T 306-c
	De Boelelaan 1081 A
	1081 HV Amsterdam
	The Netherlands

csapc03@cs.vu.nl,   +31-20-4447718,   fax: +31-20-4447728