

14<sup>th</sup> Mini-EURO Conference

# HCP'2003

## HUMAN CENTERED PROCESSES

### Distributed decision making and man-machine cooperation

5-7 May 2003

Luxembourg

#### Objectives

The Commission of the European Union, in its forthcoming sixth framework Programme, specifically recognizes the necessity to place human beings at the centre of future development of the knowledge-based society and more specifically the emerging e-government. In addition, a EURO working group on Human Centered Processes has recently been created in order to tackle the study of operational strategies and processes used by people in professional contexts (<http://www-hcp.enst-bretagne.fr/>).

Such problems represent important challenges for both public administrations and commercial firms. More generally, the analysis and study of distributed decision making and man-machine cooperation requires a *multi-disciplinary* approach involving cognitive psychology, operational research, cognitive science and domain expertise. Indeed, cognitive design and implementation approaches can complement more traditional frameworks. They may allow design and analysis of more complete, complex, robust and secure systems involving experienced users with specific domain expertise as well as common users.

#### Purpose

The purpose of this conference is to bring together:

*Practitioners* from industry and administration who are confronted with issues related to cognition and domain expertise and computer assisted collaborative work,

*Researchers* who have expertise in Cognitive Psychology or more generally Cognitive Science, Artificial Intelligence and Computer Science,

*Operational Researchers* interested in discussing human centred approaches applied to complex industrial and administrative problems.

In view of this, the Conference focuses on practical application oriented themes where human centered approaches have already shown their usefulness including planning, scheduling, decision making, quality control, project and risk management, intelligent management of multimedia documents, e-commerce and e-government.

Three *plenary sessions* with invited guest speakers such as Ola Svenson (S) and Paul Slovic (USA) are planned.

Four *half-day symposiums* dedicated to special sessions on multi-criteria decision aid, decision support systems and ethics in OR are foreseen.

#### Institutional support

The Association of European Operational Research Societies, EURO (<http://www.euro-online.org/>)

Fonds National de la Recherche, Luxembourg (<http://www.fnr.lu/>)

SOGESCI-B.V.W.B (<http://mathro.fpms.ac.be/sogescibvwb/society.shtml>)  
ROADEF (<http://www.roadef.org/>)

## Programme Committee

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## Local Organizer

Raymond Bisdorff (*chair*), [hcp2003@cu.lu](mailto:hcp2003@cu.lu), Cunluxe (L)

## Call for papers

Three kinds of submissions are welcome:

Proposal for a *session* of three short papers (maximum five pages) dedicated to a given topic. After acceptance, the promoter will be responsible for his/her session and will chair it.

Proposal for a *panel* discussion on a given topic (one hour). After acceptance, the promoter will be responsible for his/her session and will serve as session chair.

Free submission of *short papers* (maximum five pages). The accepted papers will be published as Conference Proceedings by the Centre Universitaire.

Two types of sessions, panel discussions or papers are solicited:

Those discussing *cognitive theories* and *practices* from a practical application perspective and those presenting administrative, business or industrial applications. Suitable sessions, panel discussions and papers include: distributed decision making, human expertise centred decision aids, man-machine cooperation, intelligent assistance for decision, knowledge extraction, representation and modelling, intelligent management of multimedia documents, perception, recognition and interpretation and intelligent operator guidance and assistance systems.

*Application reports* may cover the following: practice and integration, quality control, management of industrial and administrative processes, scheduling and planning, industrial production, supervision and control, public administration, transportation, health care, banking, insurance, telecommunications, management of the environment, new technologies for information and communication.

Authors' instructions may be found on the conference web site: <http://www.cu.lu/hcp2003>.

## Publication

Selected papers will be proposed for publication (and refereed separately) in a feature issue of the European Journal of Operational Research (<http://www.elsevier.nl/homepage/sae/orms/eor/menu.htm>).

A specific publication for French, Italian, Spanish or Portuguese versions of the accepted papers is also foreseen in a special issue of the IN COGNITO journal (<http://www.univ-ubs.fr/valoria/cognito/>).

## Venue

The conference will be located at the Kirchberg Conference Centre, the hemicycle of the European Parliament in Luxembourg (<http://www.luxcongress.lu>).

## Registration fee

The conference fee is 220€ before February 28, 2003 and 280€ for late registrations. It includes the proceedings book, coffee and tea during breaks, three lunches, and a social event. For accompanying persons a social program will be organized.

The conference fee for students is 150€ if a copy of a student card accompanies the registration formular.

Registering can be made by using the formular you may download from the following url: <http://www.cu.lu/hcp2003/Registration.pdf> (PDF format).

Please print out, fill in, sign and send it back to following address:

Centre Universitaire  
Conference HCP'2003 secretary  
162a, avenue de la Faiencerie  
L-1511 Luxembourg

Remit your payment to:

Bureau des Chèques Postaux  
L-1090 Luxembourg  
swift code: CCPPLULU,  
Account No: 135345-30  
Account owner: Centre Universitaire  
purpose: registration HCP'2003

*Young researchers and PhD students* may apply for financial support directly at EURO (contact: [Secretary@euro-online.org](mailto:Secretary@euro-online.org)). The Luxembourg FNR offers special grants for *young Luxembourgish researcher* (contact: [fnr@fnr.lu](mailto:fnr@fnr.lu)). Some participants from *Eastern European and African countries* may get special financial support directly from the organizer (contact the conference secretary: [hcp2003@cu.lu](mailto:hcp2003@cu.lu)).

## Important dates

Short papers (max five pages), proposals for sessions or panel discussions should be submitted by *October* 2002. Authors intending to submit to EJOR or IN COGNITO must provide this information in their short papers. Notification of acceptance will be given by the *end of January* 2003 for all types of proposals. Full papers for EJOR and IN COGNITO should be submitted at the time of the conference, *beginning of May* 2003.

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