

## **WORKING LANGUAGE**

The working language of the Workshop is English.

## **INTERNATIONAL PROGRAM COMMITTEE**

<b>D. Rios-Insua</b>	<b>Spain, Chairman</b>
A. Conde	Spain
G. Cybenko	United States
R. Hamalainen	Finland
S. French	United Kingdom
R. Kulhavý	Czech Republic
F. Ruggeri	Italy
W. Polasek	Switzerland
A. Quinn	Ireland
S.P. Wilson	Ireland

## **NATIONAL ORGANIZING COMMITTEE**

<b>M. Kárný</b>	<b>Chairman</b>
I. Nagy	
P. Nedoma	
J. Andryšek	
T.V.Guy	
J. Kracík	
R. Kytka	

## **ACCOMMODATION**

This is the responsibility of each participant. The organizers have reserved a block of accommodation until April 01, 2004, see <http://www.utia.cas.cz/AS/CMP04/index.html>

## **ENQUIRIES**

The ESF-TED Workshop (CMP'04)  
Institute of Information Theory and Automation  
Academy of Sciences of the Czech Republic  
P.O. Box 18, 182 08 Prague 8, Czech Republic  
Tel : +420 266052274  
Fax : +420 266052068  
E-mail : [school@utia.cas.cz](mailto:school@utia.cas.cz), [kytka@utia.cas.cz](mailto:kytka@utia.cas.cz)



<http://www.utia.cas.cz/AS/CMP04/index.html>

# **ANNOUNCEMENT & CALL FOR PAPERS**

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## **ESF-TED Workshop**

### **CMP'04: MULTIPLE PARTICIPANT DECISION MAKING**

Theory, algorithms, software and applications

May 12--14, 2004  
Prague, Czech Republic

Organized by:

**Institute of Information Theory and Automation  
Academy of Sciences of the Czech Republic**

Supported by:

**ESF: European Science Foundation (ESF)**

within the project

**TED: Towards Electronic Democracy:  
Internet-based Complex Decision Support**

## TED

The TED project aims to develop Bayesian support of societal decision making in order to enable a shift from e-administration towards true e-democracy. For detailed information please see <http://bayes.escet.urjc.es/ted>

## CMP

CMP (Computer-Intensive Methods in Control and Data Processing) is the sixth in a series of workshops addressing the common problem known as "curse of dimensionality", namely the extreme dimensionality of computations connected with implementation of theoretically optimal mathematical procedures of inference and decision-making.

## CMP'04 ~ TED & CMP

A principal concern of the TED project is multiple-participant decision making, relevant in business, management, medicine, investment, environmental issues, etc. The search for adequate problem formulations that lead to feasible solutions will be essential for future progress. The challenges include

- Partially pre-determined hierarchical structures;
- Differences in data, objectives and decision spaces;
- Complexity of some or all elements of the decision problem;
- Substantial extent of the uncertainties involved.

These issues (as well as other instances of the curse of dimensionality) are often solved using ad hoc simplifications at the cost of losing a lot from the theoretical properties of the optimal solution. However, there are powerful principles with wide applicability that can now be used to attack these complex problems. The key idea of the Workshop is that the generic nature of these problems offers the a chance to learn from each other across borders of disciplines.

## AIM

The aim of this TED Workshop is to bring together researchers and practitioners working in academia, government and industry in order to

- (i) Formulate the complexity-influenced problems within areas of multiple-participant decision making, which should be addressed by the technology providers;
- (ii) Offer technique developed in disparate research and application areas that can be used in solving these problems.

## TOPICS

A considerable space will be given to invited lectures by leading specialists in various fields. This will create a firm backbone for this strongly inter-disciplinary Workshop. Several sessions of contributed papers, posters and computer demonstrations will complement them. The topics relevant to the Workshop include:

- Decision-making problems with multiple participants;
- Models of complex dynamic systems;
- Techniques of uncertainty management;
- Design of decision strategies and optimization techniques;
- Software and hardware issues;
- Case studies and lessons learnt in real-life applications.

## PAPER SUBMISSION & REGISTRATION

All papers accepted for the Workshop will appear in the electronic Workshop preprints. The Workshop proceedings containing a selection of the best papers will be published. There will be an award for the best contributed paper presented at the Workshop.

- (1) Papers will be considered for inclusion in the Workshop, based on prior submission of a draft of full paper (16 pages).
- (2) Electronic submissions in the .ps or .pdf formats will be accepted.
- (3) The author's package can be downloaded at the web site referred at the top.
- (4) Submissions should be uploaded to [http://www.utia.cas.cz/AS\\_dept/CMP04/form.html](http://www.utia.cas.cz/AS_dept/CMP04/form.html)

Please register as soon as possible by filling the **REGISTRATION FORM**.

## DEADLINES

Draft of the paper:	December 15, 2003
Notification of acceptance:	January 30, 2004
Receipt of the final paper:	April 15, 2004

## FEE

<b>Before December 10, 2003</b>	
basic fee	150 Euros
student fee	75 Euros

<b>After December 10, 2003</b>	
basic fee	225 Euros
student fee	100 Euros

The registration fee covers participation in regular, poster and computer sessions, one set of preprints, welcome party, conference dinner and three lunches. Please pay the registration fee by direct bank transfer to the account of the ESF TED Workshop (CMP'04). The account details are

<b>Bank:</b>	CSOB -- Pobočka Praha 8
<b>Address:</b>	Ke stírce 50, Prague 8, Czech Rep.
<b>Account No:</b>	34833-702952-081/0100 VS 060504

Personal checks and bank drafts cannot be accepted.

## CANCELLATION

If you cancel your registration before February 20, 2004, you will be refunded 50 percent of the registration fee. No refund can be made after this date. The preprints will be sent by mail in all cases of cancellation.

## VENUE

The Workshop ESF-TED Workshop (CMP'04) will be held at the Institute of Information Theory and Automation Academy of Sciences of the Czech Republic, Pod vodarenskou vezi 4, 182 08 Prague 8.

No parallel sessions are planned and sufficient space will be given to informal discussions.