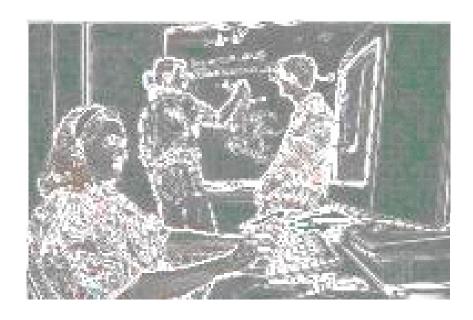# Call *for* Papers

COOP'2000

**Fourth International Conference
on the Design of Cooperative Systems**

Sophia Antipolis, France
May 23-26, 2000

http://www-sop.inria.fr/acacia/Coop/Coop2000

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Aims, Scope and Topics

THE MAIN GOAL of the COOP conferences is to contribute to the solution of problems related to the design of cooperative systems, and to the integration of these systems in organizational settings. The conferences are aimed at helping to improve

- the comprehension of human-human and human-machine cooperative work processes;

- the development of models of cooperation and cooperative work from different perspectives;

- the development of appropriate design methodologies and of new functionalities for cooperative systems.

The main assumption behind the COOP conferences is that cooperative systems design requires a deep understanding of the cooperative work of dyads, groups and organizations, involving both artefacts and social conventions. We encourage submissions from researchers and practitioners in academia, industry, consulting and government, and from all disciplines contributing to the field of cooperative systems design, including (but not limited to) Psychology, Ergonomics, Linguistics, Computer Sciences (Information Systems, Decision-Making Support, Knowledge Engineering, User Interfaces, Distributed Artificial Intelligence), Sociology, Organizational and Management Sciences.

The previous COOP conferences (1995, 1996, 1998) solicited both theoretical, and empirical contributions on such topics as analyses of complex work situations, elaboration of conceptual frameworks for understanding cooperative work, guidelines for modelling collective activities, methodological elements for cooperative system design, and innovative technological solutions..

COOP'2000 will continue to solicite contributions on these topics, but it will encourage contributions on the following key topic (see details further):

The Use of Theories and Models in Designing Cooperative Systems

You are invited to contribute papers, posters, doctoral articles, and workshop proposals related to the key topic, or to the standard topics of the COOP conferences. All these contributions will be presented and debated over the four days of the COOP'2000 Conference (*).

Even if you do not plan to submit some contribution to the conference we hope that you will attend. Mark your calendar now ! We look forward to welcoming you to Sophia Antipolis in May 2000.

(*) The language of the Conference will be English.

Important Dates

October 15, 1999	Deadline for paper submissions
October 31, 1999	Deadline for workshop submissions
December 10, 1999	Deadline for poster and doctoral colloquium submissions
December 15, 1999	Notification of paper and workshop acceptance
January 20, 2000	Notification of poster and doctoral colloquium acceptance
February 1, 2000	Camera-ready copy of papers due
February 20, 2000	Camera-ready copy of workshop, doctoral colloquium, and poster descriptions due
May 23-26, 2000	Coop'2000 Conference

The Use of Theories and Models in Designing Cooperative Systems

TWO OPPOSITE METHODOLOGICAL APPROACHES to co-operative system design can be clearly identified today: a bottom-up approach, known as pragmatic, and a top-down approach, which is based on theories and models. The *pragmatic approach* consists of rapidly developing a basic device (by prototyping it for example), and then to seek experience feedback to iteratively improve the device.

At the opposite, the *theory/model-based approach* consists of apprehending the problem with a "theorisation" of the application domain (one that may already exist, or one that needs to be achieved), and to guide the design, and even the product development with this "theorisation". A main objective of the COOP'2000 Conference will be:

- to clarify the reasons why one needs or does not need to use a theory or a model for design,
- to compare the pragmatic and the theory/model-based approaches, and to identify possible joint points between them,
- to discuss the relevance of the theories/models with respect to the design of cooperative systems,
- to better delimit the respective application fields of the various theories/models, and to identify their possible joint points.

Submissions related to the COOP'2000 key topic will address, but will not be limited to, issues such as:

- Which theory or model did prove to be useful in designing a cooperative system (and which did not)?
- When and how that theory or that model is used in conducting a design project?
- When that theory or that model does not pre-exist but is required, which method can be used to construct it?
- Does a design approach based on theories and models change the nature and the characteristics of the systems that result from it?
- Which implications can such an approach have on the design methods?
- Which generalisations can one make from the progress resulting from this approach?
- How does a theory/model-based approach impact the acquisition of know-how?
- How does a theory/model-based approach impact reuse?
- How does a theory/model-based approach tend to modify the nature of the collaboration with users?

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Submission Categories

Papers

Co-chairs: Giorgio De Michelis (University of Milano, Italy), Laurent Karsenty (University Paul-Sabatier, Toulouse, France)

Papers presenting original and completed work are invited. Papers may address any of the conference topics, but preferably the key topic. The review process will retain the anonymity of authors and reviewers. Submitted papers will be reviewed by at least three referees.

Papers must not exceed 16 pages. Accepted papers will be included in a book published by IOS Press.

E-mail your paper to:
Laurent Karsenty (*karsenty@irit.fr*)

Workshops

Co-chairs: Régine Teulier (CNRS, France), Volker Wulf (University of Bonn, Germany)

Workshops are designed to offer an informal environment for focused group discussion and learning. Pluridisciplinary approaches are welcome. Workshops will take place the first day of the Conference.

Workshop proposals (4 pages max.) should clearly state title, goals and objectives, qualifications and expertise of leaders, intended participants, the maximum number of participants, duration (half-day or full day) and details of any equipment needed. Accepted proposals will be printed in the Conference Supplement.

E-mail proposals to:
Régine Teulier (*teulier@ext.jussieu.fr*) and Volker Wulf (*volker@cs.uni-bonn.de*)

Posters

Co-chairs: Françoise Darses (CNAM, Paris, France), Yvonne Waern (Linkoping University, Sweden)

Posters provide an excellent opportunity for interactivity between the presenter and other participants and enable a discussion of different viewpoints and different disciplines about models of cooperation. Interactive Posters show ongoing work or finished results with a content which is best suited to such an interactive presentation. Interactive Posters will be presented during a special session.

Submissions should not exceed 4 pages. Accepted posters will be printed in the Conference Supplement.

E-mail proposals to :
Françoise Darses (*darses@cnam.fr*) and Yvonne Waern (*yvonne.waern@tema.liu.se*)

Doctoral Colloquium

Co-chairs: Camille Rosenthal-Sabroux (University of Paris 9, France), Peter H. Carstensen (Technical University of Denmark)

Contributions from Ph. D. students in Cooperative System Design are solicited. The contributions will be presented and discussed within a Doctoral Colloquium—a dedicated workshop involving both Ph. D. students and experienced researchers from different areas.

Submissions (4 pages max.) should take the form of an extended abstract describing current research in progress. A biographical note should be included. Accepted submissions will be included in the Conference Proceedings Supplement.

E-mail proposals to:
Camille Rosenthal-Sabroux (*sabroux@lamsade.dauphine.fr*) and Peter Carstensen (*carstensen@tele.dtu.dk*)

Further Information

Submissions

Electronic formats allowed: PostScript, PDF, RTF.
Authors *must* consult full formatting instructions on the Conference website (*www-sop.inria.fr/acacia/Coop/Coop2000*).

Please direct any further queries to the Papers, Workshops, Posters, and Doctoral Colloquium chairs as appropriate.

Conference Site

COOP'2000 will be held at the Mediathel of Sophia Antipolis. Located on the French Riviera, between Nice and Cannes, Sophia Antipolis is the main scientific and technological park in Europe (see *www.saem-sophia-antipolis.fr*); it has been ranked in the Top Ten Hottest Tech Cities in the world (NEWSWEEK, Nov. 1998).
Sophia Antipolis is connected to the Nice International Airport (see *www.nice.aeroport.fr*).

Sponsors

AFIA, ARC, France Telecom, INRIA, SELF. Other sponsors have been solicited. Further interested parties are cordially invited to contact the Sponsors liaison : *Manuel.Zacklad@univ-troyes.fr*

General Information

INRIA Sophia Antipolis (see *www.inria.fr/Unites/SOPHIA-eng.html*), the local organizer of the conference, can be contacted for further information. Please direct queries to:

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