

The 2008 International Symposium on Collaborative Technologies and Systems (CTS 2008)  
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## TUTORIAL III

# Computer-Supported Cooperative Work: Concepts and Tools

**Tom Gross**

**Chair of the CSCW and Vice Rector  
Bauhaus-University Weimar, Germany**

### TUTORIAL DESCRIPTION

The aim of this tutorial is to present basic concepts and paradigms of Computer-Supported Cooperative Work (CSCW) as well as its design principles and prototypes. It primarily focuses on the support of cooperative work with computerized artifacts such as groupware, cooperation technology, global information systems like the WWW, and so forth. In particular the following areas are covered: introduction and scenario of CSCW; basic concepts; CSCW and groupware systems; analysis of cooperative environments; design of CSCW and groupware; group awareness; implementation of CSCW and groupware systems; and CSCW in a broader context and future perspectives.

### TUTORIAL OUTLINE

We cover the following topics:

- Introduction and Scenario of CSCW
- Basic Concepts
- CSCW and Groupware Systems
- Analysis of Cooperative Environments
- Design and Implementation of CSCW and Groupware
- CSCW in a Broader Context and Future Perspectives

### REFERENCES

Gross, T. and Inkpen, K.M., Eds. *Proceedings of the 2007 International ACM Conference on Supporting Group Work - Group 2007*. ACM, N.Y., 2007.

Gross, T. and Fetter, M. *Computer-Supported Cooperative Work*. In Stefanidis, C., Ed. The Universal Access Handbook. Hillsdale, NJ, Lawrence Erlbaum Associates, (to appear).

## **REQUIREMENTS AND TARGET AUDIENCE**

No special prerequisites required. Level will be technical but elementary.

Other requirements: Interest and familiarity with basic Internet technologies such as HTML and HTTP.

Audience: People building or responsible for building distributed collaboration systems.

## **TUTORIAL DURATION**

The tutorial material will be presented in a 2-hour session.

## **INSTRUCTOR BIOGRAPHY**

Dr. Tom Gross is professor and chair of Computer-Supported Cooperative Work, and Vice Rector (i.e., Vice-President) of the Bauhaus-University Weimar, Germany. His research interests are particularly in the fields of Computer-Supported Cooperative Work, Human-Computer Interaction, and Ubiquitous Computing. In these areas he has published numerous articles in journals, conference proceedings, books and book chapters. And he has been teaching at various universities across Europe. He has participated in and coordinated activities in various national and international research projects. He is an expert member of the IFIP Technical Committee on 'Human Computer Interaction' (TC.13). He has been conference co-chair and organizer of many international conferences (e.g., most recently general co-chair of the ACM GROUP 2007 conference). Further information can be found at: <http://www.tomgross.net>.