

Workshops on Cooperative Systems and Context; and on Context and Groupware

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This proceeding consists in the publication of two workshops that were held during the CONTEXT'05 conference, Paris, France, July 5-8 2005.

The two workshops n°5 and n°10, respectively, “Cooperative Systems and Context” and Context and Groupware”, show that they are interrelated and the editors made the decision to publish the two workshops in one proceeding.

Since 1997 the Context conferences have been dealing with aspects of context at the highest level of knowledge and reasoning. However, this approach rarely considers practical aspects of context in real-world applications such as collaborative work and group decision-making processes. On the other hand, there has been little emphasis on the understanding of the context concept in the CSCW and GDSS fields. Context has been used in several publications in the area, but it is presented in many cases with very different meanings. A number of issues addressed recently in CSCW and DSS Conferences point to context without being called as such.

In the workshop n°10: Groupware and Context, the editors: M. Borges and J. Pino bring together researchers from several areas to discuss the various aspects of the relationship between Context and Groupware. 9 papers have been submitted from 5 different countries and 5 have been carefully selected by the program committee for presentation during the workshop. The presentations aim particularly at results from research, development and integration, relevant applications, new technologies and resulting product developments on a conceptual level.

For the workshop n°5: Cooperative Systems and Context the editors P. Zaraté and J.L. Soubie have a different objective. Take context into account for Cooperative Support Systems design offers a great challenge for Cooperative Systems services. This workshop is addressed to participants who are interested by designing Cooperative Systems : Cooperative Man/Machine Interactions and Cooperative Systems which support a Cooperative work. Several research domains are addressed by this challenge : CSCW, Dialogue Systems, Knowledge modeling, Cooperative Support Systems,...

8 papers have been submitted coming from 5 countries and 5 have been carefully selected by the program committee for presentation during the workshop.

The overall 10 contributions were grouped according to the following headlines :

Modeling approach

Three contributions could be found in this area : M. Munoz giving the « First Steps in Context Modeling for Conflicts Characterization in Cooperative Task-Execution Support Systems » ; M. El Jed, B. Pavard and N. Pallamin presenting « Towards rich context virtual worlds » ; and E.H. Turner, R.M. Turner and E. Albert exposing « Placing Newly-Arising Goals in the Proper Context ».

Tools

Two contributions present tools for taking into account the context by designing Cooperative or Groupware Systems : M. Zacarias, A.R. Marques, H.S. Pinto and J. Tribolet presenting « Enhancing Collaboration Services with Business Context Models » ; and D. Filippo, H. Fuks and J.P. Lucena showing « AulaNetM : Extension of the AulaNet Environement to PDAs ».

Mobile and Remote situations

Two contributions focus on mobile and remote situations : D. Leake, S. Bogaerts, M. Evans, D. McMullen presenting « Contextual Support for Remote Cooperative Troubleshooting : Lessons From a Naturalistic Study » ; and R.A. Alarçon, L.A. Guerrero, S.F. Ochoa, J.A. Pino contributing to « Context in Collaborative Mobile Scenarios ».

Contextual Knoweldge

Three contributions deal with contextual knowledge : P.C. Humphreys and G.A. Jones presenting « The Decision Hedgehog-Enhancing Contextual Knowledge for Group Decision Authoring and Communication Support » ; S.A. Siebra, A.C. Salgado, P.A. Tedesco and P. Brézillon showing « A Learning Interaction Memory using Contextual Information » ; and F. M. Santoro and P. Brézillon proposing « Towards the Narrative Approach to Collect Group Knowledge and Context ».

Papers accepted at each Workshop were the following ones:

WS #5: Cooperative Systems and Context
(Chairpersons: Pascale Zaraté and Jean Luc Soubie)

- D. Leake, S. Bogaerts, M. Evans, D. McMullen: "Contextual Support for Remote Cooperative Troubleshooting: Lessons from a Naturalistic Study".
- E. Turner, R. Turner, E. Albert: "Placing Newly-Arising Goals in the Proper Context".
- M. Munoz: "First Steps in Context Modeling for Conflicts Characterization in Cooperative Task-Execution Support Systems".
- M. El Jed, B. Pavard, N. Pallamin: "Towards rich context virtual worlds".
- M. Zacarias, A. Marques, H. Pinto, J. Tribolet: "Enhancing Collaboration Services with Business Context Models".

WS #10: Groupware and Context
(Chairpersons: Marcos R.S. Borges and Jose A. Pino)

- S. Siebra, A.C. Salgado, P. Brézillon, P. Tedesco: "A Learning Interaction Memory using Contextual Information".
- F. Santoro, P. Brézillon: "Towards the Narrative Approach to Collect Group Knowledge and Context".
- D. Filippo, H. Fuks, C. Lucena: "AulaNetM: Extension of the AulaNet Environment to PDAs".
- R. Alarcon, J. A. Pino, S. Ochoa, L. Guerrero: "Context in Collaborative Mobile Scenarios".
- G. Jones, P. Humphreys: "The Decision Hedgehog: Enhancing Contextual Knowledge for Group Decision Authoring and Communication Support".

Acknowledgements

Each submission was reviewed by three members of the workshops Program Committee and we would like to warmly thank each member for participating and for assuring the workshops' success. All members in alphabetical order :

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| Prof. F. Adam | University College Cork, Ireland |
| Prof. R. Alarcon | P. Universidad Catolica de Chile, Chile |
| Prof. P. Antunes | Universidade de Lisboa, Portugal |
| Dr. R. M. Araujo | Universidade do Rio de Janeiro, Brazil |
| Prof. N. Baloian | Universidad de Chile |
| Dr. P. Brezillon | CNRS LIP6 France |
| Dr. G. Camilleri | Toulouse III University, France |
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| Prof. Dr. C. Rosenthal-Sabroux | Paris IX University, France |
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| Prof. G.J. de Vreede | University of Nebraska at Omaha, USA |