



The First Society in Computing

SIGDOC *Special Interest Group on
Design of Communication*

SIGDOC 2005

The 23rd International Conference on
Design of Communication

Documenting & Designing for Pervasive Information

Sept. 21-23, 2005; Coventry, UK
www.sigdoc.org/2005

Conference Program

Note: All sessions (except workshops) will be held at the Coventry University Conference Centre, CC1.4. The workshops will be held in the Armstrong Siddeley building.



Wednesday, 21st September. AS321A

9.00am Workshop: Aspect-Oriented Documentation

John Stamey, Bryan Saunders (*Coastal Carolina University, USA*)

11.00 am The 5th International Workshop on Graphical Documentation

Determining the Barriers to Adoption of UML Diagrams

Scott Tilley (*Florida Institute of Technology, USA*), Steve Murphy (*IBM Toronto Software Laboratory, Canada*), Shihong Huang (*Florida Atlantic University, USA*)

1.15pm Workshop: Darwin Information Typing Architecture - Authoring

Michael Priestley (*IBM Toronto Software Laboratory, Canada*)

6.30pm Welcome Reception

The Olde Whitefriars Ale House

Thursday, 22nd September. CC1.4

9.00am Welcome and opening session

9.30am Paper Session: Graphical and Visual Information I

Chair: Scott Tilley (*Florida Institute of Technology, USA*)

Co-generation of Text and Graphics

David G. Novick and Brian Lowe (*The University of Texas at El Paso, USA*)

Accessibility of graphics in technical documentation for the cognitive and visually impaired

Steve Murphy, Rebecca Wong (*IBM Toronto Software Laboratory, Canada*)

10:30 Coffee break - Restaurant

11.00 am Paper Session: Information Design Principles and Methods I

Chair: David G. Novick (*The University of Texas at El Paso, USA*)

Edward Tufte Meets Christopher Alexander

John W. Stamey, Jr. (*Coastal Carolina University, USA*), Thomas L. Honeycutt (*North Carolina State University, USA*), Simon Blanchard (*HEC, Canada*)

A Stakeholders Centered Approach for Conceptual Modeling of Communication-Intensive Applications

Vito Perrone (*Politecnico di Milano, Italy*), Davide Bolchini (*University of Lugano, Switzerland*), Paolo Paolini (*Politecnico di Milano, Italy*)

A General Approach to Ethnographic Analysis to Collaborating Systems

Rahat Iqbal (*Eindhoven University of Technology, The Netherlands*), Richard Gatward, Anne James (*Coventry University, UK*)

12:30 Lunch - Restaurant

1.15pm Paper Session: Pervasive Documentation Systems I

Chair: Ashley Williams (*Apt Communications, USA*)

Concept and Architecture of a Pervasive Document Editing and Managing System

Stefania Leone, Thomas B. Hodel, Harald Gall (*University of Zurich, UK*)

Information fragments for a pervasive world

Russell Beale (*University of Birmingham, UK*)

The Aspect-Oriented Web

John Stamey, Bryan Saunders (*Coastal Carolina University, USA*), Simon Blanchard (*HEC Montréal and GERAD, Montréal, Canada*)

2:45 Tea Break - Restaurant

3.15pm Paper Session: Document Authoring, Production and Management

Chair: Michael Priestley (*IBM Toronto Laboratory, Canada*)

Metadata based Authoring for Technical Documentation

Ingo Stock, Eckhard Steinmeier (*BMW Group, Germany*), Michael Weber (*University of Ulm, Germany*)

A Study of the Documentation Essential to Software Maintenance

Sergio Cozzetti B. de Souza, Nicolas Anquetil, K'athia M. de Oliveira (*Universidade Catolica de Brasilia, Brazil*)

Checking marked up documentation for adherence to sitespecific standards

Sarah Mount, Robert Low, Robert Newman (*Coventry University, UK*)

Developing a Pyramid Structure for Managing Web-Centric Documents

Tayfun Karadeniz, Jean-Louis Lassez, Stephen Sheel (*Coastal Carolina University, USA*)

5.15pm SIGDOC Open Meeting

6.00pm Minibus leaves Conference Centre for Conference Banquet

Friday, 23rd September, CC1.4

9.00am Paper Session: Pervasive Documentation Systems II

Chair: John Stamey (*Coastal Carolina University, USA*)

Developing documentation systems for pervasive network environments

DeAnna Steiner (*WebSphere, IBM, USA*)

Integrating Meaningful Words, Biologically Inspired Vision, and Darwinian Knowledge: Towards a Distributed and Mediated Design Studio

Amiram Moshaiov (*Tel-Aviv University, Israel*)

Developing A Theory and Practise of Pervasive Information Capture, Processing, Visualization and Documentation

Colin Price (*University College Worcester, UK*), Elizabeth Coulter-Smith (*University of Central England, UK*)

10:30 Coffee break - Restaurant

11.00am Presentation of Diana Award to the British Computer Society

Industrial Strength Hypermedia in a Pervasive Computing World - Adapting Organisations to Meet the Challenge

Professor Wendy Hall (*Southampton University, UK*) Past president of the BCS

11.45am Paper Session: Information Design Principles and Methods II

Chair: Steve Murphy (*IBM Toronto Laboratory, Canada*)

Leveraging technology affinity: Applying a common set of tools and practices to information development

Robert Pierce (*Rational Software IBM Corporation, USA*)

Capturing Visions and Goals to Inform Communication Design

Davide Bolchini, Giovanni Randazzo (*University of Lugano, Switzerland*)

12:30 Lunch - Restaurant

1.15pm Paper Session: Graphical and Visual Information II

Chair: TBD

Visualization of Balanced Scorecard on PDAs

Carlos Costa

The Use of eBooks and Interactive Multimedia as Alternative Forms of Technical Documentation

Gord Davison, Steve Murphy, Rebecca Wong (*IBM Toronto Software Laboratory, Canada*)

Animating pervasive computing

John Burns, Andrée Woodcock, Sarah Mount, Elena Gaura, Robert Newman (*Coventry University, UK*)

2:45 Tea Break - Restaurant

3.15pm Paper Session: Usability

Chair: Susan B. Jones (*MIT, USA*)

User-Centred Design of Ubiquitous Services for Co-Located Human-Human Communication and Collaboration

R. Iqbal, J. Sturm, J. Terken (*Eindhoven University of Technology, The Netherlands*)

Sensorium games: Usability considerations for pervasive gaming

S.N.I. Mount, E.I. Gaura, R.M. Newman (*Coventry University, UK*)

Usability Over Time

Valerie Mendoza, David G. Novick (*University of Texas at El Paso, USA*)

Towards a Hypertext Reading/Comprehension Model

Aristidis Protopsaltis, Vassiliki Bouki (*University of Westminster, UK*)

5.15pm Closing Session

Looking forward to SIGDOC 2006 and SIGDOC 2007