



5th International Conference on

Adaptive Hypermedia and Adaptive Web-Based Systems

Hannover, Germany

29 July - 1 August 2008

Conference Program



Organization Committee

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Welcome to Adaptive Hypermedia 2008

The Adaptive Hypermedia conferences are the major forums for the scientific exchange and presentation of research on adaptive hypermedia and adaptive Web-based systems. The 2008 conference is momentous, as it represents the marriage of the Adaptive Hypermedia and User Modeling communities, both of which are major sponsors. This year's fifth edition of the conference is organized by the L3S Research Center in the city of Hannover, Germany.

In this program booklet you find (hopefully) all information that you need to find your way at the conference and in Hannover. Included is a detailed schedule for the conference and the workshops, the list of short papers and demos to be presented at the poster reception, and an introduction to our keynote speakers. Further, you find travel information and the information you need to set up your wireless Internet access.

We hope you enjoy the conference. Should you have any questions, please go to the Registration Desk. The persons at the desk will be glad to help you out or to direct you to the person you need.

Program at a Glance

Tuesday 29 July – Workshops

	Tagungsraum I	Tagungsraum II	Tagungsraum VII	Tagungsraum VIII
8:30	<i>Registration</i>			
9:00-10:30	Workshop 1: Adaptive Collaboration Support	Workshop 3: Authoring of Adaptive and Adaptable Hypermedia	Workshop 4: Personalized Access to Cultural Heritage	
11:00-12:30				
14:00-15:30	Workshop 2: Adaptation for the Social Web		Workshop 5: User Model Integration	Workshop 6: Technologies for Mobile and Wireless Adaptive Elearning Environments
16:00-17:30				
Evening	<i>No evening program</i>			

Wednesday 30 July - Main Conference

	Main Room	Small Room	Variable
8:30	<i>Registration</i>		
9:00-10:30	Welcome Keynote Speech: <i>Peter Brusilovsky</i>		
11:00-12:30	Full Papers: <i>Communities and Collaboration</i>		
14:00-15:30	Full Papers: <i>Adaptive Hypermedia Techniques</i>		bl.AH
15:30-18:00	Poster Madness and Poster Reception <i>with food and drinks</i>		
Evening	<i>No evening Program</i> <i>Suggestion: visit the opening of the Maschseefest</i>		



Thursday 31 July - Main Conference

	Main Room	Small Room	Variable
9:00-10:30	Keynote Speech: <i>John Riedl</i>		
11:00-12:30	Full Papers: <i>User and Learner Models</i>	Doctoral Consortium: <i>AH Techniques</i>	
14:00-15:30	Full Papers: <i>Recommendations</i>	Doctoral Consortium: <i>E-Learning</i>	bl.AH
16:00-17:30	Full Papers: <i>E-learning Studies</i>	Doctoral Consortium: <i>User Models and Collaboration</i>	
Evening	<i>Social Event: Dinner and Best Paper Awards</i>		

Friday 1 August - Main Conference

	Main Room	Small Room	Variable
9:00-10:30	Keynote Speech: <i>Jan Borchers</i>		
11:00-12:30	Full Papers: <i>Personalized E-Learning</i>	Full Papers: <i>Location-Based Personalization</i>	
14:00-15:30	Full Papers: <i>Empirical Studies</i>		
15:30-18:00	Workshop Wrapup, bl.AH Wrapup, Closing Plenary		

Tuesday 29 July

Workshop 1: Adaptive Collaboration Support

Organizers: Alexandros Paramythis, Stephan Weibelzahl
Time and Location: 9:00 – 12:30 in Tagungsraum I

Workshop 2: Adaptation for the Social Web

Organizers: Rosta Farzan, Jill Freyne, David Millen
Time and Location: 14:00 – 17:30 in Tagungsraum I

Workshop 3: Authoring of Adaptive and Adaptable Hypermedia

Organizers: Alexandra Cristea, Rosa M. Carro
Time and Location: 9:00 – 17:30 in Tagungsraum II

Workshop 4: Personalized Access to Cultural Heritage

Organizers: Lora Aroyo, Tsvi Kuflik, Oliviero Stock, Massimo Zancanaro
Time and Location: 9:00 – 12:30 in Tagungsraum VII

Workshop 5: User Model Integration

Organizers: Shlomo Berkovsky, Francesca Carmagnola, Dominikus Heckmann, Antonio Krüger, Tsvi Kuflik
Time and Location: 14:30 – 17:30 in Tagungsraum VII

Workshop 6: Technologies for Mobile and Wireless Adaptive Elearning Environments

Organizers: Cristina Hava Muntean, Gabriel-Miro Muntean, Jennifer McManis
Time and Location: 14:00 – 17:30 in Tagungsraum VIII



Wednesday 30 July

9:00 - 10:30

Welcome and Keynote Speech by Peter Brusilovsky (Main Room)

Adaptive Navigation Support for Open Corpus Hypermedia Systems

11:00 - 12:30

Full Papers: Community and Collaboration (Main Room)

(Web Search)^{shared} - a Social Aspects of a Collaborative, Community-Based Search Network (page 103)

Maurice Coyle and Barry Smyth

Modelling Semantic Relationships and Centrality to Facilitate Community Knowledge Sharing (page 123)

Styliani Kleanthous and Vania Dimitrova

Social Information Access for the Rest of Us: An Exploration of Social YouTube (page 93)

Maurice Coyle, Jill Freyne, Peter Brusilovsky, and Barry Smyth

14:00 - 15:30

Full Papers: Adaptive Hypermedia Techniques (Main Room)

Using Decision Models for the Adaptive Generation of Learning Spaces (page 153)

Eric Ras and Dimitri Ilin

Evaluation of ACTSim: A Composition Tool for Authoring Adaptive Soft Skill Simulations (page 113)

Conor Gaffney, Declan Dagger, and Vincent Wade

Adaptive Retrieval of Semi-structured Data (page 32)

Yosi Ben-Asher, Shlomo Berkovsky, Paolo Busetta, Yaniv Eytani, Sadek Jbara, and Tsvi Kuflik

bl.AH (meet at the reception desk)

If you wish to join the bl.AH discussion session (which will be introduced immediately after the keynote speech), please gather at the reception desk at 13:45.

15:30 - 18:00

Poster Reception and Demos (Main Room)

The poster reception will start with a 'poster madness' - each poster presenter will try to lure you to his or her poster with a flashy 1-minute presentation. During the poster presentation, you can also attend the demonstrations that will be given by the demo paper authors.

The list of short papers and demos presented at the reception can be found elsewhere in the program.

Thursday 31 July

9:00 - 10:30

Keynote Speech by John Riedl

Altruism, Selfishness, and Destructiveness on the Social Web

11:00 - 12:30

Full Papers: User and Learner Models (Main Room)

Does 'Notice' Prompt Noticing? Raising Awareness in Language Learning with an Open Learner Model (page 173)

Gheida Shahrour and Susan Bull

An Evidence-Based Approach to Handle Semantic Heterogeneity in Interoperable Distributed User Models (page 73)

Francesca Carmagnola and Vania Dimitrova

Supporting Interaction Preferences and Recognition of Misconceptions with Independent Open Learner Models (page 62)

Susan Bull, Andrew Mabbott, Peter Gardner, Tim Jackson, Michael J. Lancaster, Steven Quigley, and P.A. Childs

Doctoral Consortium: Adaptive Hypermedia Techniques (Small Room)

GAF: Generic Adaptation Framework (page 400)

Evgeny Knutov

Engineering Information Systems towards Facilitating Scrutable and Configurable Adaptation (page 405)

Kevin Koidl and Owen Conlan

Flexible Adaptivity in AEHS Using Policies (page 410)

Arne W. Koesling, Daniel Krause, and Eelco Herder

SemWeB: A Semantic Web Browser for Supporting the Browsing of Users Using Semantic and Adaptive Links (page 431)

Melike Sah, Wendy Hall, and David C. De Roure

14:00 - 15:30

Full Papers: Recommendation (Main Room)

A Rule-Based Recommender System for Online Discussion Forums (page 12)

Fabian Abel, Ig Ibert Bittencourt, Nicola Henze, Daniel Krause, and Julita Vassileva

Locally Adaptive Neighborhood Selection for Collaborative Filtering Recommendations (page 22)

Linas Baltrunas and Francesco Ricci

Concept-Based Document Recommendations for CiteSeer Authors (page 83)

Kannan Chandrasekaran, Susan Gauch, Praveen Lakkaraju, and Hiep Phuc Luong

Doctoral Consortium: Personalized E-Learning (Small Room)

Learning Style as a Parameter in a Unified e-Learning System Architecture: The Adaptive Diagnosis (page 384)



Sotirios Botsios and Dimitrios Georgiou

Learner Modelling in Exploratory Learning for Mathematical Generalisation (page 394)
Mihaela Cocea

A Validation Framework for Formal Models in Adaptive Work-Integrated Learning (page 416)
Barbara Kump

Merging Adaptive Hypermedia and Intelligent Tutoring Systems Using Knowledge Spaces (page 426)
Amanda Nicholas and Brent Martin

bl.AH (meet at the reception desk)

If you wish to join the bl.AH discussion session (which will be introduced immediately after the keynote speech), please gather at the reception desk at 13:45.

16:00 - 17:30

Full Papers: E-Learning Studies (Main Room)

Adaptation of Elaborated Feedback in e-Learning (page 235)
Ekaterina Vasilyeva, Mykola Pechenizkiy, and Paul De Bra

User-Centric Profiling on the Basis of Cognitive and Emotional Characteristics: An Empirical Study (page 214)
Nikos Tsianos, Zacharias Lekkas, Panagiotis Germanakos, Costas Mourlas, and George Samaras

Re-assessing the Value of Adaptive Navigation Support in E-Learning (page 193)
Sergey Sosnovsky, Peter Brusilovsky, Danielle H. Lee, Vladimir Zadorozhny, and Xin Zhou

Doctoral Consortium: User Models and Collaboration (Small Room)

Adaptive User Modelling and Recommendation in Constrained Physical Environments (page 378)
Fabian Bohnert

Facilitating Collaboration in Virtual Environments (page 389)
Diana Chihai

A Scrutable User Modelling Infrastructure for Enabling Life-Long User Modelling (page 421)
Demetris Kyriacou

Evening Program (19:30 – 0:00): Social Event

The Social Event will take place at the restaurant '12 Apostel'. Instructions on how to get there can be found elsewhere in this booklet. The Best Paper Award and the Best Student Paper Awards will be announced during the social event.

Friday 1 August

9:00 - 10:30

Keynote Speech by Jan Borchers

Baroque Technology

11:00 - 12:30

Full Papers: Personalized E-Learning (Main Room)

Towards Computerized Adaptive Assessment Based on Structured Tasks (page 224)

Jozef Tvarozek, Milos Kravcik, and Maria Bielikova

LS-Plan: An Effective Combination of Dynamic Courseware Generation and Learning Styles in Web-Based Education (page 133)

Carla Limongelli, Filippo Sciarrone, and Giulia Vaste

Supporting Users in Creating Pedagogically Sound Personalised Learning Objects (page 52)

Aoife Brady, Owen Conlan, Vincent Wade, and Declan Dagger

Full Papers: Location-Based Personalization (Small Room)

Accuracy in Rating and Recommending Item Features (page 163)

Lloyd Rutledge, Natalia Stash, Yiwen Wang, and Lora Aroyo

Using Collaborative Models to Adaptively Predict Visitor Locations in Museums (page 42)

Fabian Bohnert, Ingrid Zukerman, Shlomo Berkovsky, Timothy Baldwin, and Liz Sonenberg

Pervasive Personalisation of Location Information: Personalised Context Ontology (page 143)

William T. Niu and Judy Kay

14:00 - 15:30

Full Papers: Empirical Studies (Main Room)

Proactive Versus Multimodal Online Help: An Empirical Study (page 183)

Jerome Simonin and Noelle Carbonell

The Effectiveness of Personalized Movie Explanations: An Experiment Using Commercial Meta-data (page 204)

Nava Tintarev and Judith Masthoff

Adaptive Link Annotation in Distributed Hypermedia Systems: The Evaluation of a Service-Based Approach (page 245)

Michael Yudelson and Peter Brusilovsky

16:00 - 17:30

Workshop Wrapup, bl.AH Wrapup and Closing Plenary

The workshop chairs and the team of the bl.AH discussion event will summarize the main outcomes of their sessions. Some final announcements and official closing of the Adaptive Hypermedia 2008 conference

Poster Reception

Short papers and demo papers will be presented during the poster reception on Wednesday, 30 July. The poster reception will start with a 'poster madness', in which the presenters have one minute to convince you to visit their posters.

Short Papers

Do Students Trust Their Open Learner Models? (page 255)
Norasnita Ahmad and Susan Bull

A Framework for the Development of Distributed, Context-Aware Adaptive Hypermedia Applications (page 259)
Liliana Ardissono, Anna Goy, and Giovanna Petrone

Collection Browsing through Automatic Hierarchical Tagging (page 263)
Korinna Bade and Marcel Hermkes

Aspect-Based Personalized Text Summarization (page 267)
Shlomo Berkovsky, Timothy Baldwin, and Ingrid Zukerman

What Can I Watch on TV Tonight? (page 271)
David Bueno, Ricardo Conejo, David Martín, Jorge Leon, and Javier G. Recuenco

Adaptive Navigation Support, Learner Control and Open Learner Models (page 275)
Susan Bull, Norasnita Ahmad, Matthew Johnson, Rasyidi Johan, Andrew Mabbot, and Alice Kerly

News@hand: A Semantic Web Approach to Recommending News (page 279)
Ivan Cantador, Alejandro Bellogín, and Pablo Castells

A SOA-Based Framework to Support User Model Interoperability (page 284)
Federica Cena and Roberto Furnari

Integrated Speaker Classification for Mobile Shopping Applications (page 288)
Michael Feld and Gerrit Kahl

The Authoring Tool of ADULT: Adaptive Understanding and Learning Text Environment (page 292)
Alexandra Gasparinatou, Grammatiki Tsaganou, and Maria Grigoriadou

Interoperability between MOT and Learning Management Systems: Converting CAF to IMS QTI and IMS CP (page 296)
Fawaz Ghali and Alexandra I. Cristea

Proactively Adapting Interfaces to Individual Users for Mobile Devices (page 300)
Melanie Hartmann and Daniel Schreiber

Reuse Patterns in Adaptation Languages: Creating a Meta-level for the LAG Adaptation Language (page 304)
Maurice Hendrix and Alexandra Cristea

Implementing a Multimodal Interface to a DITA User Assistance Repository (page 308)
Aidan Kehoe and Ian Pitt

Analysing High-Level Help-Seeking Behaviour in ITSs (page 312)
Moffat Mathews, Tanja Mitrovic, and David Thomson

Data-Driven Prediction of the Necessity of Help Requests in ILEs (page 316)
Manolis Mavrikis



A Dynamic Content Generator for Adaptation in Hypermedia Systems (page 320)
David Merida, Ramon Fabregat, Xavier Prat, David Huerva, and Jeimy Velez

Automatic Generation of User Adapted Learning Designs: An AI-Planning Proposal (page 324)
Lluvia Morales, Luis Castillo, Juan Fernandez-Olivares, and Arturo Gonzalez-Ferrer

Guaranteeing the Correctness of an Adaptive Tutoring System (page 329)
Pilar Prieto-Linillos, Sergio Gutierrez, Abelardo Pardo, and Carlos Delgado Kloos

Designing a Personalized Semantic Web Browser (page 333)
Melike Sah, Wendy Hall, and David C. De Roure

Towards Inferring Sequential-Global Dimension of Learning Styles from Mouse Movement Patterns (page 337)
Danilo Spada, Manuel Sanchez-Montanes, Pedro Paredes, and Rosa M. Carro

VUMA: A Visual User Modelling Approach for the Personalisation of Adaptive Systems (page 341)
Melanie B. Späth and Owen Conlan

Bookmark Category Web Page Classification Using Four Indexing and Clustering Approaches (page 345)
Chris Staff

Personalization Using Ontologies and Rules (page 349)
Thanh Tran, Haofen Wang, Steffen Lamparter, and Philipp Cimiano

RSS-Based Interoperability for User Adaptive Systems (page 353)
Yiwen Wang, Federica Cena, Francesca Carmagnola, Omar Cortassa, Cristina Gena, Natalia Stash, and Lora Aroyo

Assisting in Reuse of Adaptive Hypermedia Creator's Models (page 357)
Nadjet Zemirline, Yolaine Bourda, Chantal Reynaud, and Fabrice Popineau

Demo Papers

Convergence of Web and TV Broadcast Data for Adaptive Content Access and Navigation (page 361)
Pieter Bellekens, Kees van der Sluijs, Lora Aroyo, and Geert-Jan Houben

Recommending Background Information and Related Content in Web 2.0 Portals (page 366)
Andreas Nauerz, Birgitta König-Ries, and Martin Welsch

Adaptive Portals: Context Adaptive Navigation through Large Information Spaces (page 370)
Andreas Nauerz, Martin Welsch, and Birgitta König-Ries

Personalized Recommendations for the Web 3D (page 374)
Bartek Ochab, Nicolas Neubauer, and Klaus Obermayer

Keynote Speakers

Jan Borchers

Jan Borchers is professor of computer science and head of the Chair for Media Computing at RWTH Aachen University in Germany, after holding faculty positions at ETH Zurich and Stanford University. He is interested in human-computer interaction, in particular interfaces for smart environments, ubiquitous, wearable and physical computing, interactive exhibits, and time-based media such as audio and video. He has published the first book on HCI design patterns, several other book chapters, and some eighty other articles at conferences such as ACM CHI, ACM DIS, NIME, or ICMC, and in journals such as ACM interactions, IEEE Multimedia, and others. His group is Germany's best-published research group in terms of archival CHI publications over the last 5 years, and just received several awards at this year's CHI conference. In his spare time, he enjoys playing jazz piano and tinkering on interactive clothing.



Peter Brusilovsky

Peter Brusilovsky has been working in the field of adaptive hypermedia and adaptive Web-based systems for more than 20 years. He published numerous papers and edited several books on adaptive hypermedia and the adaptive Web. Dr. Brusilovsky is currently an Associate Professor of Information Science and Intelligent Systems at the University of Pittsburgh, where he directs Personalized Adaptive Web Systems (PAWS) lab. He was also holding visiting faculty appointments at the Moscow State University (Russia), Sussex University (UK), Tokyo Denki University (Japan), University of Trier (Germany), Free University of Bolzano (Italy), National College of Ireland, and Carnegie Mellon University (USA). Dr. Brusilovsky is a board member of several journals including User Modeling and User Adapted Interaction, ACM Transactions on the Web, and Web Intelligence and Agent Systems. He is also the current President of User Modeling Inc., a professional association of user modeling researchers. He was involved in the organization of the first Adaptive Hypermedia conference and chaired several conferences and workshops on adaptive hypermedia, hypertext, adaptive Web-based systems, and user modeling.



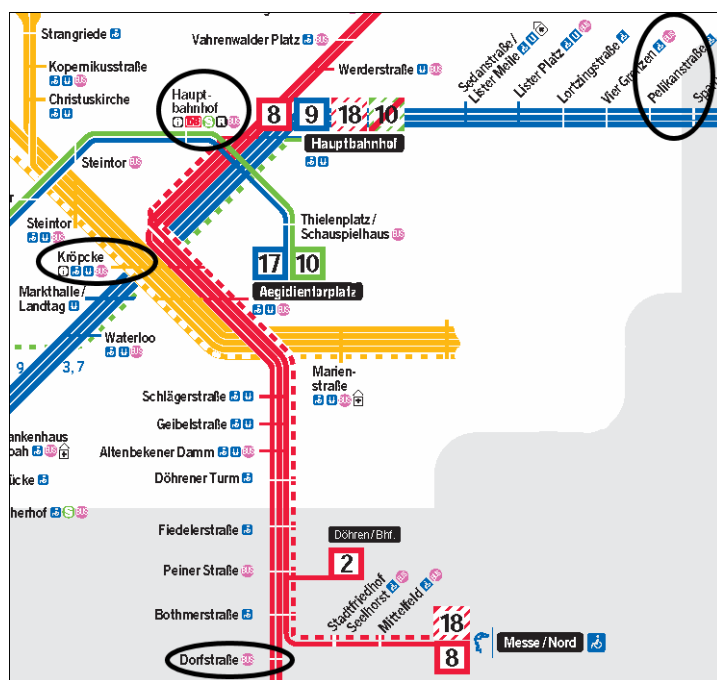
John Riedl

John Riedl specializes in collaborative filtering, systems, and information filtering. He also often speaks as an expert on the topic of online social networks. In 2006, he was named a Senior Member of the IEEE and also won the Best Paper Award at the Computer Supported Cooperative Work (CSCW) Conference. Riedl has also received the Commerce Technology Award, The MIT Sloan School Award for Innovation in E-Commerce, and at least half a dozen teaching awards. Riedl has served on many program committees and has authored more than 50 publications, including one book, journal and conference papers, short articles and book chapters. He is a member of the ACM and IEEE organizations, and an Editorial Board member for the Journal of Electronic Commerce Technologies.



Local Travel Information

Tickets for public transport (valid for subway, bus and S-Bahn) have to be bought in advance at the ticket machines. Bus drivers sell tickets as well. All conference-related stops are in the "Ticketzone Hannover". A single trip costs 2,00 euro and daily tickets cost 3,90 euro.



From the City Center to the Conference Venue, 'Wienecke XI'

Wienecke XI. Hotel Hannover

Hildesheimer Straße 380
30519 Hannover, Germany

From the main railway station ('Hauptbahnhof') or the central underground station 'Kröpcke' you can take either line 1 (direction 'Laaten') or line 2 (direction 'Rethen'). Trains leave every five minutes during the whole day and the trip takes about 12 minutes. Leave the train at the stop 'Dorfstraße'. Hotel Wienecke XI (and the even more visible Biergarten) are now on your right hand side.

In the opposite direction, simply take line 1 (direction 'Langenhagen') or line 2 ('Alte Heide').

From the City Center to the Social Event Venue, '12 Apostel'

12 Apostel

Pelikanstraße 2
30177 Hannover, Germany

From the main railway station ('Hauptbahnhof') or the central underground station 'Kröpcke' you can take either line 3 ('Altwarmbüchen') or line 7 ('Hannover Fasanenkrug'). Leave the train after about 8 minutes at the stop 'Pelikanstrasse'.

In the opposite direction, take line 3 or line 7 (both direction 'Wettbergen').

In order to get from the conference venue to the 12 Apostel, you will have to change trains at Hauptbahnhof or at Kröpcke.



Internet Access

Wireless Internet access at the conference venue is provided by T-Mobile HotSpot. Make sure that WLAN access at your laptop is provided. Your operating system should recognize the network automatically. Once you are connected to the network, your Web browser is automatically redirected to the login page.

Use either one of the following usernames and passwords:

Regular Login

Normally, you will be able to login with the following details. Please first try this one and only resort to the 'extra' login if the regular login has reached its maximum capacity.

Username: G-leibnitz2.kv@t-mobile.de
Password: hotspot

Extra Login

This login provides extra connections, to be used only if the regular login does not work. This might occur if all conference participants login at once.

Username: G-leibnitz1.kv@t-mobile.de
Password: hotspot

Troubleshooting

More detailed information on wireless access can be found in the flyer, provided by T-Mobile. Should you still have issues logging in, please ask at the reception desk.