

AURÉLIEN TABARD

Post doctoral fellow
IT University of Copenhagen,
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RESEARCH INTERESTS

Human-Computer Interaction, Ubiquitous Computing, e-Science.

My research focuses on how information technology (re)shapes research practices, specially in life-sciences. I am investigating novel interactive tools for the laboratory of the future. And focus currently on tools that aim at making faster iterations and smoother transitions between idea/hypotheses generation, experimental testing and analyses.

EDUCATION

- 11/2009 Université Paris-Sud
PHD in *Computer Science*
Dissertation: *Supporting Lightweight Reflection on Familiar Information*
Advisor: Wendy E. Mackay
- 09/2005 Université Pierre et Marie Curie (Paris VI)
MASTERS in *Computer and Information Science*, mention bien (i.e. with honors).
specialized in *Artificial Intelligence and Decision*.
- 09/2005 Université René Descartes (Paris V)
MAGISTÈRE in *Applied Computer Science*, mention bien (i.e. with honors).
09/2002 DEUG in *Mathematics applied to Social Sciences*.

EMPLOYMENT

- 10/2009 - PRESENT IT University of Copenhagen, DENMARK
Post doctoral fellow, Software Development Group, pIT lab.
- 03/2009 - 09/2009 Telecom Paris-Tech, FRANCE
Researcher
Research with Eric Lecolinet and Sylvain Malacria
Augmented paper for Ubicomp classrooms.
- 09/2005 - 09/2009 INRIA & LRI (Université Paris-Sud & CNRS), Orsay, FRANCE
Ph.D. student
Research with Wendy E. Mackay
- 05/2005 - 09/2005 Institut Pasteur, Paris, FRANCE
Research Intern
Research with Catherine Letondal and Nicolas Roussel. Designed and developed plugins to support biologists' web browsing habits.
- 05/2004 - 09/2004 LIP6, Fuzzy Logic team, Université Paris 6, FRANCE
Research Intern
Research with Bernadette Bouchon-Meunier and Christophe Marsala. Designed and developed an intelligent textbook for high-school students with Lionel Yaffi.
- 06/2003 - 08/2003 Institut Français du Pétrole, FRANCE
Intern
Implementation of an efficient printing mechanism for the Thrustpack prototype.

REFEREED PUBLICATIONS

- MAGAZINE PUBLICATIONS [UNDER REVIEW] Bardram, J.E., **Tabard, A.**, Hincapié-Ramos, J.D. and Andersen, E.S. The Mini-Grid in the Wild Cyber Foraging in the Biology Laboratory. In *IEEE Pervasive Computing Magazine*.
- CONFERENCE PAPERS 2012 **Tabard, A.**, Hincapié-Ramos, J. D. , and Bardram J.E. 2012. The eLabBench in the Wild: Supporting Exploratory Science in the Biology Lab. In *Proceedings of the 30th SIGCHI Conference on Human Factors in Computing Systems*. CHI '12 [Acceptance rate 23%, 363/1577] -
- 2011 **Tabard, A.**, Hincapié-Ramos, J. D. , Esbensen, M. and Bardram J.E. 2011. The eLabBench: An Interactive Tabletop System for the Biology Laboratory. In *Proceedings of ITS 2011, ACM International Conference on Interactive Tabletops and Surfaces*. Nov 13-16, 2011, Kobe, Japan. [Acceptance rate 33%, 32/96] - **BEST PAPER AWARD**
- Hincapié-Ramos, J.D., **Tabard, A.**, and Bardram, J.E. 2011. Mediated Tabletop Interaction in the Biology Lab - Exploring the Design Space of the Rabbit. In *Proceedings of Ubicomp 2011 ACM International Conference on Ubiquitous Computing*. pages 301-310. Beijing, CHINA. [Acceptance rate 16.6%, 50/302]
- Hincapié-Ramos, J.D., **Tabard, A.**, and Bardram, J.E. 2011. GridOrbit: an infrastructure awareness system for increasing contribution in volunteer computing. In *Proceedings of the 29th SIGCHI Conference on Human Factors in Computing Systems*. CHI '11. pages 1899-1908. [Acceptance rate 26%, 409/1540] - **AWARDED HONORABLE MENTION (top 5%)**
- Malacria, S., Pietrzak, T., **Tabard, A.**, and Lecolinet E. 2011. U-Note: Capture the Class and Access it Everywhere. In *Lecture Notes in Computer Science - INTERACT 2011*, Springer Verlag.
- 2010 Hincapié-Ramos, J.D., **Tabard, A.**, and Bardram, J.E. 2010. Designing for the invisible: user-centered design of infrastructure awareness systems. In *Proceedings of the 8th ACM Conference on Designing Interactive Systems*. DIS'10. ACM, New York, NY, USA. pages 302-305. [Acceptance rate 15%]
- 2008 **Tabard, A.**, Mackay, W. E., and Eastmond, E. 2008. From individual to collaborative: The evolution of prism, a hybrid laboratory notebook. In *Proceedings of the 2008 ACM conference on Computer supported cooperative work*. CSCW'08. ACM, New York, NY, USA. pages 569-578. [Acceptance rate 23%, 86/370]
- Yuan, S., **Tabard, A.**, and Mackay, W. E. 2008. Streamliner: A general-purpose interactive course-visualization tool. In *Proceedings of KAM'08 International Symposium on Knowledge Acquisition and Modeling*, Wuhan, CHINA IEEE Press.
- 2007 **Tabard, A.**, Mackay, W. E., Roussel, N., and Letondal, C. Pagelinker: Integrating contextual bookmarks into a browser. In *Proceedings of the SIGCHI conference on Human factors in computing systems*. CHI'07. ACM, New York, NY, USA. pages 337-346. [acceptance rate: 25%, 142/571]
- WORK IN PROGRESS, DEMONSTRATIONS & EXTENDED ABSTRACTS Hincapié-Ramos, J.D., **Tabard, A.**, Bardram J., and Sokoler, T. 2010. GridOrbit public display: providing grid awareness in a biology laboratory. In *Proceedings of the 28th of the international conference extended abstracts on Human factors in computing systems*. CHI EA'10. ACM, New York, NY, USA, pages 1899-1908.
- Mackay, W.E., Van Kleek, M.G., and **Tabard, A.** 2009. Interacting with temporal data. In *Extended abstracts of the 2009 international conference extended abstracts on Human factors in computing systems*. CHI EA'09. ACM, New York, NY, USA. pages 4783-4786.
- Tabard, A.** and Tsandilas, T. Demonstration of the Reactivity Notebook. In COPADD 2007: 2nd International Workshop Collaborating over Paper and Digital Documents, London, UK.

WORKSHOP PAPERS Hincapié-Ramos, J.D., **Tabard, A.**, and Alt, F. 2010. Contextual-analysis for infrastructure awareness systems. In CHI 2010 Workshop on *Bridging the Gap: Moving From Contextual Analysis to Design*, 4 pages.

C. Letondal and **A. Tabard**. 2009. Temporal Data and Data Temporality: Time is change, not only order. In CHI 2009 Workshop on *Interacting with Temporal Data*, 4 pages.

Tabard, A. Interfaces réflexives, faciliter la co-adaptation avec des historiques d'interaction. 2007. In Extended abstracts of IHM 2007, *19ème conférence francophone sur l'Interaction Homme-Machine*. ACM, Doctoral consortium paper

Roussel, N., **Tabard, A.** and Letondal, C. All you need is log. 2006. In *www 2006 Workshop on Logging Traces of Web Activity: The Mechanics of Data Collection*, 4 pages.

OTHER PUBLICATIONS AND THESES

Tabard, A. Supporting Lightweight Reflection on Familiar Information. *Doctoral dissertation*, Université Paris Sud, FRANCE, 2009,

Tabard, A. Interfaces réflexives, faciliter la co-adaptation avec des historiques d'interaction RJC-IHM 2008, (French HCI Doctoral Symposium).

Tabard, A. Conception d'un navigateur web spécifique pour la bio-informatique. *Masters thesis*, advised by C. Letondal and N. Roussel, Institut Pasteur, FRANCE, 2005.

TALKS

Supporting Exploratory Science inside and outside of the Laboratory
Telecooperation group, TU Darmstadt, GERMANY, October 2011.

Supporting lightweight reflection on familiar information
DCOG-HCI lab meeting, UC San Diego, UNITED-STATES, October 2010.

Interactive Patina, from traces of interaction to reflection
pIT lab, IT University Copenhagen, DENMARK, November 2008

From Individual to Collaborative, the Evolution of Prism, a Hybrid Laboratory Notebook
HCI reading group, MIT CSAIL, Boston, UNITED-STATES, October 2008

Supporting researchers' information management practices
Laboratoire de Radioastronomie ENS, Paris, FRANCE, October 2008

Prism, Cahiers de laboratoire hybride & interaction
Bioinfo seminar, Institut Pasteur, Paris, FRANCE, July 2008

Interfaces Réflexives, co-adaptation & historiques d'interaction
Séminaire DAPA, Université Paris 6, FRANCE, June 2008

PageLinker
INFRES, Telecom ParisTech, Paris, FRANCE, 2007

Virtual Patina, within Context Interaction Histories.
Doctoral Consortium (by W. Mackay, M. Beaudouin-Lafon, L. Nigay, B. Mynatt, B. McIntyre, A. Cockburn) presentation at INRIA Futurs, Paris, FRANCE, 2006

Play! Creativity and ludic design, *with J.-B. Labrune*
Interaction Design Institute Ivrea. Milano, Italy, March 2006

TEACHING EXPERIENCE

LECTURER *New course on Pervasive computing, created with Jakob Bardram and Arne Glenstrup. Involved creating and delivering lectures, conceiving students projects, preparing oral exams.*

2011 Pervasive Computing-E2011, 18 hours
IT University of Copenhagen, DENMARK

2010 Pervasive Computing-E2010, 18 hours
IT University of Copenhagen, DENMARK

GUEST LECTURES How Touching, 3 hours - part of the Masters course Experimental Interaction,
2011 IT University of Copenhagen, DENMARK

2010 UI in Ubicomp, 3 hours - part of the Ph.D. course Foundations and trends in Ubicomp.
IT University of Copenhagen, DENMARK

RESPONSIBLE FOR THE COURSE *Courses given during the Ph.D. Involved planning, creating and delivering lectures, conceiving the students projects, preparing final written and oral exams.*

2007-08 Design Course, in informatics for biology, 9 hours
Institut Pasteur, FRANCE

Interface Design and Evaluation, 16 hours
Masters in Computer Science, Université Paris 6, FRANCE

2006-07 Design methods and evaluation, in Introduction to HCI, 12 hours
Masters level, Telecom ParisTech, FRANCE

Participatory Design Course in informatics for biology, 9 hours
Institut Pasteur, FRANCE

Introduction to Human Machine Communication, 12 hours
First year of engineering school, Institut Galilée, Université Paris 13, FRANCE

2005-06 Interface Design and Evaluation, 24 hours
Masters in Computer Science, Université Paris 6, FRANCE

Introduction to Human-Computer Communication, 16 hours
First year of engineering school, Institut Galilée, Université Paris 13, FRANCE

TEACHING ASSISTANT Participatory Design, Course in informatics for biology, 9 hours
2005-06 Institut Pasteur, FRANCE

Interface Design and Evaluation, 20 hours
Masters in Computer Science, Université Paris-Sud, FRANCE

ADVISING

2011 Co-supervision of Leo Sicard Masters' thesis (IT University of Copenhagen)
Topic: Device Composition on Tabletop Computers

Co-Supervision of Andrea Paccino's Bachelor's internship (visiting from Pisa University)
Internship topic: Design and Evaluation of Pen Interaction on Tabletops.

2008 Co-supervision of Shengqiong Yuan for her 1st year as Ph.D. student, now at Wuhan
University of Technology, CHINA
Topic: Interaction and Visualization of Temporal Data

2007 Co-supervision of Evelyn Eastmond for 7 months, now at RISD, UNITED-STATES.
Internship topic: Design of a Hybrid Laboratory Notebook

AWARDS AND GRANT

ITS'11 Conference Best Paper Award

CHI'11 Conference Best Paper, Honorable Mention (First author: J.D. Hincapié-Ramos)

INRIA-Microsoft Research, 3 month position

French government Ph.D. grant

PROFESSIONAL ACTIVITIES

PROGRAM COMMITTEE	CSCW 2010
ORGANIZING COMMITTEE	CHI'10-CHI'11 PROCEEDINGS CO-CHAIR, UBICOMP 2010 DEMOS CO-CHAIR, CHI'09 Workshop On Interacting With Personal Data CO-ORGANIZER.
REVIEWING	CHI'07-12, UIST'07-08, DIS'10, ITS'10-11, TEI'10-11, IUI'12 TOCHI
VOLUNTEERING	UIST'08, CSCW'08

MEDIA COVERAGE*AU har Verdens første digitale laboratoriebord.* Stiftstidende Århus, 6/09/2011Silas Mortensen. *Se fremtidens vilde laboratorium.* Videnskab.dk, 4/09/2011Anne Lykke. *Wow! Lab-bænk med 46" touch skærm og objektgenkendelse gør forskning til en leg.* Version 2, 20/07/2011.**REFERENCES****Wendy E. Mackay**Research director, *in|situ*, INRIA SACLAY, FRANCE
mackay@inria.fr - <http://www.lri.fr/~mackay> - on sabbatical**Jakob Bardram**Professor, *Software Development Group*, IT UNIVERSITY OF COPENHAGEN, DENMARK.
bardram@itu.dk - <http://www.itu.dk/people/bardram> - +45 7218 5311**Nicolas Roussel**Research director, MINT GROUP, INRIA LILLE, FRANCE
roussel@lri.fr - <http://www.inria.fr/~roussel> - +33 6 81 56 10 47**Eric Lecolinet**Associate Professor, INFRES, TELECOM PARIS-TECH, FRANCE
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