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Aurélien Tabard

Research Experience

— Université Claude Bernard Lyon 1 & CNRS, Computer Science Laboratory (LIRIS) 09/2013 – Present
—
— Independent Consultant for Factor Product, 07/2013
—
— University of Munich (LMU), Human Computer Interaction Group 03/2012 – 06/2013
—
— IT University of Copenhagen, pervasive Interaction Technology lab (pITlab) 10/2009 – 03/2012
—
— INRIA and LRI (Université Paris-Sud & CNRS), Wendy E. Mackay 09/2005 – 09/2009
—

Education

— Ph.D. in Computer Science, Université Paris-Sud (Paris XI) 11/2009
— Master in Computer and Information Science, Université Pierre et Marie Curie (mention bien, i.e., with honors) 09/2005
— Magistère in Applied Computer Science, Université René Descartes (mention bien, i.e., with honors) 09/2005
— DEUG in Mathematics applied to Social Sciences, Université René Descartes 09/2002

Projects

— PLACED (ERA-NET), French coordinator 2017-2020
'PLACED is an ERA-NET project in collaboration with Aarhus University, Chalmers Unive

— REPI (FUI), co-PI 2016-2019
'REPI is a FUI project. Our goal is to design and study how Orchestration and Activity Ba

— Activity-Enriched Computing (NSF), self-funded participant 2013-2017
'Although myriad extraordinary benefits have resulted from the web and expanding networ

— Episteme (ANR), participant 2014-2018
'Épistémologie transdisciplinaire des technologies numériques pour la conception d'un nouv

— Jenlab (ANR), participant 2014-2018
'Apprentissage avec les Jeux Épistémiques Numériques (Usages-Technologies-Méthodologi

Publications

Journal Articles

[J1] A. Rule, **A. Tabard**, J. Hollan, "Using visual histories to reconstruct the mental context of suspended activities", *Human–Computer Interaction*, n° just-accepted, p. –25, 2017.

[J2] S. Stusak, **A. Tabard**, F. Sauka, R. A. Khot, A. Butz, "Activity sculptures : exploring the impact of physical visualizations on running activity", *IEEE transactions on visualization and computer graphics*, t. 20, n° 12, p. 2201–2210, 2014.

Conference Articles

[CP1] F. Vitale, J. Mcgrenere, **A. Tabard**, M. Beaudouin-Lafon, W. Mackay, "High Costs and Small Benefits : A Field Study of How Users Experience Operating System Upgrades", in *CHI 2017*, Denver, United States, mai 2017, p. –12. DOI : 10.1145/3025453.3025509. adresse : https://hal.archives-ouvertes.fr/hal-01493415.

[CP2] L. Tong, **A. Tabard**, S. Georges, A. Serna, "Horizontal vs. vertical : how the orientation of a large interactive surface impacts collaboration in multi-surface environments", in *INTERACT'17 : Proceedings of the 18th IFIP TC 13 international conference on Human-computer interaction*, Lisbon, Portugal : Springer-Verlag.
[Acceptance rate 29%, 67/231], 2017, p. –24, ISBN : 978-3-642-23773-7.

[CP3] L. Tong, A. Serna, S. George, **A. Tabard**, "Supporting decision-making activities in multi-surface learning environments", in *9th International Conference on Computer Supported Education (CSEDU)*, 2017, p. –12.

[CP4] A. Rule, **A. Tabard**, K. Boyd, J. Hollan, "Restoring the Context of Interrupted Work with Desktop Thumbnails", in *37th Annual Meeting of the Cognitive Science Society*, Cognitive Science Society, Pasadena, United States, juil. 2015, p. 2045–2050. adresse : https://hal.archives-ouvertes.fr/hal-01213708.

[CP5] A. Belin, Y. Prié, **A. Tabard**, "Supporting the development of digital skills", in *Digital Intelligence*, Springer, 2014, 4 pages.

[CP6] D. Hausen, **A. Tabard**, A. Thermann, K. Holzner, A. Butz, "Evaluating peripheral interaction", in *Proceedings of the 8th International Conference on Tangible, Embedded and Embodied Interaction*, sér. TEI '14, Munich, Germany : ACM.
[Acceptance rate 25%, 45/178], 2013, p. 21–28, ISBN : 978-1-4503-2635-3. DOI : 10.1145/2540930.2540941. adresse : http://doi.acm.org/10.1145/2540930.2540941.

[CP7] L. Sicard, **A. Tabard**, J.-D. Hincapié-Ramos, "Tide : lightweight device composition for enhancing tabletop environments with smartphone applications", in *INTERACT'13 : Proceedings of the 14th IFIP TC 13 international conference on Human-computer interaction*, Lisbon, Portugal : Springer-Verlag.
[Acceptance rate 31%, 128/413], 2013, p. 177–194, ISBN : 978-3-642-23773-7.

[CP8] **A. Tabard**, S. Gurn, A. Butz, J. Bardram, "A case study of object and occlusion management on the elabbench, a mixed physical/digital tabletop", in *Proceedings of the 2013 ACM international conference on Interactive tabletops and surfaces*, ACM, ACM.
[Acceptance rate 29%, 35/121], 2013, p. 251–254.

[CP9] **A. Tabard**, J. D. Hincapié Ramos, J. Bardram, "The elabbench in the wild : supporting exploration in a molecular biology lab", in *CHI '12 : Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, Austin, Texas, USA : ACM.
[Acceptance rate 23%, 370/1577], 2012, p. 3051–3060, ISBN : 978-1-4503-1015-4. DOI : http://doi.acm.org/10.1145/2207676.2208718.

[CP10] **A. Tabard**, J.-D. Hincapié-Ramos, M. Esbensen, J. E. Bardram, "The elabbench : an interactive tabletop system for the biology laboratory", in *ITS '11 : Proceedings of the ACM International Conference on Interactive Tabletops and Surfaces*, Kobe, Japan. : ACM.
[Acceptance rate 33%, 32/96] - **Best paper award**, 2011, p. 202–211, ISBN : 978-1-4503-0871-7. DOI : http://doi.acm.org/10.1145/2076354.2076391.

[CP11] J. D. Hincapié-Ramos, **A. Tabard**, J. E. Bardram, "Mediated tabletop interaction in the biology lab : exploring the design space of the rabbit", in *UbiComp '11 : Proceedings of the 13th international conference on Ubiquitous computing*, Beijing, China : ACM.
[Acceptance rate 17%, 50/302], 2011, p. 301–310, ISBN : 978-1-4503-0630-0. DOI : http://doi.acm.org/10.1145/2030112.2030153.

[CP12] J. D. Hincapié Ramos, **A. Tabard**, J. E. Bardram, "Gridorbit : an infrastructure awareness system for increasing contribution in volunteer computing", in *CHI '11 : Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, Vancouver, BC, Canada : ACM.
[Acceptance rate 27%, 410/1532] - **Awarded honorable mention** (top 5%), 2011, p. 1899–1908, ISBN : 978-1-4503-0228-9. DOI : http://doi.acm.org/10.1145/1978942.1979218.

[CP13] S. Malacria, T. Pietrzak, **A. Tabard**, é. Lecolinet, "U-note : capture the class and access it everywhere", in *INTERACT'11 : Proceedings of the 13th IFIP TC 13 international conference on Human-computer interaction*, Lisbon, Portugal : Springer-Verlag.
[Acceptance rate 27%], 2011, p. 643–660, ISBN : 978-3-642-23773-7.

[CP14] J. D. Hincapié-Ramos, **A. Tabard**, J. Bardram, "Designing for the invisible : user-centered design of infrastructure awareness systems", in *DIS '10 : Proceedings of the 8th ACM Conference on Designing Interactive Systems*, Aarhus, Denmark : ACM.
[Acceptance rate 19%, 57/294], 2010, p. 302–305, ISBN : 978-1-4503-0103-9. DOI : http://doi.acm.org/10.1145/1858171.1858225.

[CP15] **A. Tabard**, W. E. Mackay, E. Eastmond, "From individual to collaborative : the evolution of prism, a hybrid laboratory notebook", in *CSCW '08 : Proceedings of the 2008 ACM conference on Computer supported cooperative work*, San Diego, CA, USA : ACM.
[Acceptance rate 23%, 86/370], 2008, p. 569–578, ISBN : 978-1-60558-007-4. DOI : http://doi.acm.org/10.1145/1460563.1460653.

[CP16] S. Yuan, **A. Tabard**, W. E. Mackay, "Streamliner : a general-purpose interactive course-visualization tool", in *In Proceedings of KAM'08 International Symposium on Knowledge Acquisition and Modeling*, IEEE Press, 2008, p. 915–919.

[CP17] **A. Tabard**, W. Mackay, N. Roussel, C. Letondal, "Pagelinker : integrating contextual bookmarks within a browser", in *CHI '07 : Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, San Jose, California, USA : ACM.
[Acceptance rate : 22%, 182/840], 2007, p. 337–346, ISBN : 978-1-59593-593-9. DOI : http://doi.acm.org/10.1145/1240624.1240680.

Book Chapters

[BC1] **A. Tabard** and A. Mille, "L'expérience utilisateur - ux", in *Architecture de l'information : méthodes, outils, enjeux*, De Boek, 2015, chap. 7, p. 139–160.

[BC2] B. H. Thomas, G. F. Welch, P. Dragicevic, N. Elmqvist, P. Irani, Y. Jansen, D. Schmalstieg, **A. Tabard**, N. A. M. ElSayed, R. T. Smith, "Situated analytics", in *Immersive Analytics*, Springer-Verlag, 2017, p. –25.

[BC3] J. E. Bardram, M. E. Esbensen, **A. Tabard**, "Activity-Based Collaboration for Interactive Spaces", in *Collaboration Meets Interactive Spaces*, Springer-Verlag, jan. 2017, p. 233–257. DOI : 10.1007/978-3-319-45853-3_11. adresse : https://hal.archives-ouvertes.fr/hal-01436498.

Workshop Articles and Demonstrations

[WS1] A. Rule, **A. Tabard**, J. Hollan, *Traces : a flexible, open-source activity tracker for workplace studies*, 2016.

[WS2] J. Leclaire and **A. Tabard**, *R3s. js–towards responsive visualizations*, 2015.

[WS3] S. Rümelin, G. Beyer, F. Hennecke, **A. Tabard**, A. Butz, *Towards a design space for non-flat interactive displays*, 2012.

[WS4] E. Andersen, R. Sörensen, **A. Tabard**, J.-D. Hincapié-Ramos, J. Kjems, J. Bardram, *Bioengineering at the digital laboratory bench (invited presentation)*, 2012.

[WS5] T. Pietrzak, S. Malacria, **A. Tabard**, É. Lecolinet, *What do u-note ? an augmented note taking system for the classroom*, 2010.

[WS6] J.-D. Hincapié-Ramos, **A. Tabard**, F. Alt, *Contextual-analysis for infrastructure awareness systems*, 2010.

[WS7] C. Letondal and **A. Tabard**, *Temporal data and data temporality : time is change, not only order*, 2009.

[WS8] **A. Tabard** and F. Tsandilas, *Demonstration of the reactivity notebook*. 2007.

[WS9] N. Roussel, **A. Tabard**, C. Letondal, *All you need is log*, 2006.

Posters

[P1] A. Rule, **A. Tabard**, J. Hollan, "Thinking in 4d : preserving and sharing mental context across time", in *Proceedings of the 19th ACM Conference on Computer Supported Cooperative Work and Social Computing Companion*, sér. CSCW '16 Companion, San Francisco, California, USA : ACM, 2016, p. 389–392, ISBN : 978-1-4503-3950-6. DOI : 10.1145/2818052.2869108. adresse : http://doi.acm.org/10.1145/2818052.2869108.

[P2] K. Boyd, A. Rule, **A. Tabard**, J. Hollan, "Sharing, human values, and computer activity tracking", in *Proceedings of the 19th ACM Conference on Computer Supported Cooperative Work and Social Computing Companion*, sér. CSCW '16 Companion, San Francisco, California, USA : ACM, 2016, p. 233–236, ISBN : 978-1-4503-3950-6. DOI : 10.1145/2818052.2869119. adresse : http://doi.acm.org/10.1145/2818052.2869119.

[P3] L. Tong, A. Serna, S. George, **A. Tabard**, G. Brochet, "Interactive surface composition based on arduino in multi-display environments", in *Proceedings of the Ninth ACM International Conference on Interactive Tabletops and Surfaces*, sér. ITS '14, Dresden, Germany : ACM, 2014, p. 369–374, ISBN : 978-1-4503-2587-5. DOI : 10.1145/2669485.2669548. adresse : http://doi.acm.org/10.1145/2669485.2669548.

[P4] J. D. Hincapié-Ramos, **A. Tabard**, J. Bardram, T. Sokoler, *Gridorbit public display : providing grid awareness in a biology laboratory*, Atlanta, Georgia, USA, 2010. DOI : http://doi.acm.org/10.1145/1753846.1753969.

Workshop Organization and Proceedings

[WS1] P. Kuntz, Y. Prié, **A. Tabard**, *Atelier fouille visuelle de données temporelles*, 2013. adresse : https://hal.inria.fr/hal-00881096.

[WS2] J. C. Thomas, Y. Pan, T. Erickson, E. Blevis, C. Letondal, **A. Tabard**, "Avec le temps ! : time, tempo, and turns in human-computer interaction", in *CHI '13 Extended Abstracts on Human Factors in Computing Systems*, sér. CHI EA '13, Paris, France : ACM, 2013, p. 3303–3306, ISBN : 978-1-4503-1952-2. DOI : 10.1145/2468356.2479672. adresse : http://doi.acm.org/10.1145/2468356.2479672.

[WS3] W. E. Mackay, M. G. Van Kleek, **A. Tabard**, "Interacting with temporal data", in *CHI '09 Extended Abstracts on Human Factors in Computing Systems*, sér. CHI EA '09, Boston, MA, USA : ACM, 2009, p. 4783–4786, ISBN : 978-1-60558-247-4. DOI : 10.1145/1520340.1520740. adresse : http://doi.acm.org/10.1145/1520340.1520740.

Domestic conferences

[FR1] G. Molinari, M. Trannois, **A. Tabard**, E. Lavoué, "Emore-l : un outil de reporting des émotions pour l'apprentissage à distance", in *Actes de la 28ième conférence francophone sur l'Interaction Homme-Machine*, 2016, p. 167–176.

[FR2] V. Lachand, A. Serna, **A. Tabard**, J.-C. Marty, "De l'efficacité de visualisations indicielles ou symboliques pour la régulation d'activités collaboratives", in *Actes de la 28ième conférence francophone sur l'Interaction Homme-Machine*, ACM, 2016, p. 144–154.

Tech Reports

[TR1] C. Letondal, **A. Tabard**, W. E. Mackay, "Quand tu l'as écrit, tu l'as lu !", LRI research report 1526, rapp. tech., 2019.

[TR2] T. Kindberg, J. E. Bardram, S. Büttrich, M. Esbensen, S. Houben, R. Khaled, T. Pederson, G. Perrone, J. D. Hincapié-Ramos, **A. Tabard**, "Mesh mobs - virtually augmented crowds.", IT University Technical Report Series, rapp. tech. TR-2011-146, 2010.

Honors & Scholarships

— Best Paper Award — ACM ITS'11
— Best Paper, Honorable Mention — ACM CHI'11
— Finalist of Mattel's Student Design Competition — 2006
— Ph.D. scholarship (bourse ministèrielle) — 2005

Skills

Programing	JavaScript, Python, Flash/Flex, JAVA (mostly Android SDK and Processing), C# (and .Net), C.
Web	Node.js, Backbone, React, D3, Google App Engine.
Electronics	Arduino, AVR Microcontrollers.
Design tools	Adobe Illustrator, Adobe InDesign, Inkscape, Axure.
Hardware proto	3D printing and laser cutting.
typing	

Languages

French	native
English	fluent
Spanish	fluent
German	conversational