

PUBLICATIONS BY YEAR

2019

- 1 Alavi, Hamed S., Elizabeth Churchill, Mikael Wiberg, Denis Lalanne, Peter Dalsgaard, Ava Fatah, and Yvonne Rogers. "Introduction to Human-Building Interaction– Interfacing HCI with Architecture and Urban Design", Accepted to be published in ACM Transaction on Computer Human Interaction (TOCHI)
- 2 Alavi, Hamed S. , and Farzaneh Bahrami. "Walking in Smart Cities" Accepted to be published in Interactions journal, April 2019
- 3 Alavi, Hamed S., Himanshu Verma, Jakub Mlynar, and Denis Lalanne. "On the Temporality of Adaptive Built Environments" Accepted to be published in Springer Series of Adaptive Environments, People, Personal Data and the Built Environment.
- 4 Lindley, Siân, Hamed S. Alavi, Noopur Raval , Ding Wang, Silvia Lindtner, Accepted for the 2018 CHI Conference Extended Abstracts on Human Factors in Computing Systems
- 5 Alavi, Hamed S., Yvonne Rogers, and Denis Lalanne. "Have Living Labs Spiralled Out of Control?: A Literature Study of Evolution of Living Lab Concepts in HCI" Submitted to ACM Transaction on Computer Human Interaction (TOCHI)

2018

- 6 Alavi, Hamed S., Himanshu Verma, Jakub Mlynár, and Denis Lalanne. "The Hide and Seek of Workspace: Towards Human-Centric Sustainable Architecture." In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems, p. 75. ACM, 2018. **CHI'18 top 5%**
- 7 Alavi, Hamed S., Elizabeth Churchill, David Kirk, Henriette Bier, Himanshu Verma, Denis Lalanne, and Holger Schnädelbach. "From Artifacts to Architecture." In Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility, pp. 387-390. ACM, 2018.
- 8 Alavi, Hamed S., Himanshu Verma, Jakub Mlynar, and Denis Lalanne. "Space-Use Behavior Studies in the Swiss Smart Living Lab" 2018 Conference on Human Factors in Computing Systems CHI'18. Workshop Living Labs: Measuring Human Experience in the Built Environment
- 9 Villeneuve, Dominic, Thierry Maeder, Hamed S. Alavi, Vincent Kaufmann, Denis Lalanne. "Smart Living Lab: A User Data-Driven Approach". Book chapter, by EPFL press, under editing.
- 10 Verma, Himanshu, Hamed S. Alavi, and Denis Lalanne. "From Substitution to Augmentation: directions for Human-Interaction Design" Chapter proposal, Springer Series of Adaptive Environments, People, Personal Data and the Built Environment.
- 11 Mlynar Jakub, Hamed S. Alavi, Himanshu Verma. "Towards a Sociological Conception of Artificial Intelligence". Accepted to appear in AGI'18: Eleventh Annual Conference on Artificial General Intelligence.

2017

- 12 Alavi, Hamed S., Farzaneh Bahrami, Himanshu Verma, and Denis Lalanne. "Is Driverless Car Another Weiserian Mistake?." In Proceedings of the 2017 ACM Conference Companion Publication on Designing Interactive Systems, pp. 249-253. ACM, 2017. **DIS'17 top 5%**
- 13 Verma, Himanshu, Hamed S. Alavi, and Denis Lalanne. "Studying space use: bringing HCI tools to architectural projects." In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, pp. 3856-3866. ACM, 2017. **CHI'17 top 5%**
- 14 Alavi, Hamed S., Verma, H., Papinutto, M., & Lalanne, D. (2017, September). Comfort: A Coordinate of User Experience in Interactive Built Environments. In IFIP Conference on Human-Computer Interaction (pp. 247-257). Springer, Cham.
- 15 Brambilla, Arianna, Hamed S. Alavi, Himanshu Verma, Denis Lalanne, Thomas Jusselme, and Marilyne Andersen. "'Our inherent desire for control': a case study of automation's impact on the perception of comfort." Energy Procedia 122 (2017): 925-930.
- 16 Prieto, Luis P., Hamed S. Alavi, and Himanshu Verma. "Strong technology-enhanced learning concepts." In European Conference on Technology Enhanced Learning, pp. 454-459. Springer, Cham, 2017.
- 17 Sharma, Kshitij, Hamed S. Alavi, Patrick Jermann, and Pierre Dillenbourg. "Looking THROUGH versus Looking AT: A Strong Concept in Technology Enhanced Learning." In European Conference on Technology Enhanced Learning, pp. 238-253. Springer, Cham, 2017.
- 18 Verma, Himanshu, Hamed S. Alavi, and Denis Lalanne. "Rethinking Wearables in the Realm of Architecture." In IFIP Conference on Human-Computer Interaction, pp. 16-23. Springer, Cham, 2017.
- 19 Alavi, Hamed S., Elizabeth Churchill, Denis Lalanne. "The Evolution of Human-Building Interaction: An HCI Perspective". Journal of Architecture and Interaction Design

2016

- 20 Alavi, Hamed S., Denis Lalanne, Julien Nembrini, Elizabeth Churchill, David Kirk, and Wendy Moncur. "Future of human-building interaction." In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, pp. 3408-3414. ACM, 2016.
- 21 Alavi, Hamed S., Elizabeth Churchill, David Kirk, Julien Nembrini, and Denis Lalanne. "Deconstructing human-building interaction." interactions 23, no. 6 (2016): 60-62.
- 22 Zufferey Jessica Dehler, Hamed S. Alavi, Łukasz Kidzinsky, and Pierre Dillenbourg. "Gamified Competition Features for Corporate MOOCs: The Battle Mode." Research Track (2016): 223.
- 23 Sharma, Kshitij, Hamed S. Alavi, Patrick Jermann, and Pierre Dillenbourg. "A gaze-based learning analytics model: in-video visual feedback to improve learner's attention in MOOCs." In Proceedings of the Sixth International Conference on Learning Analytics & Knowledge, pp. 417-421. ACM, 2016.

**Before
2016**

- 24 Alavi, Hamed S., and Pierre Dillenbourg. "An ambient awareness tool for supporting supervised collaborative problem solving." *IEEE Transactions on Learning Technologies* 5, no. 3 (2012): 264-274. **Spotlight paper**
- 25 Alavi, Hamed S.. "Ambient awareness for the orchestration of collaborative problem solving." PhD diss., ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, 2011.
- 26 Alavi, Hamed S., Pierre Dillenbourg, and Frederic Kaplan. "Awareness tools for recitation sections." In *Proceedings of the Red-Conference: Rethinking Education in the Knowledge Society*.(Ascona, Switzerland, 7-10 March 2011), pp. 19-34. 2011.
- 27 Dillenbourg, Pierre, Guillaume Zufferey, Hamed S. Alavi, Patrick Jermann, Son Dolenh, Quentin Bonnard, Sébastien Cuendet, and Frédéric Kaplan. "Classroom orchestration: The third circle of usability." *CSCL2011 Proceedings 1* (2011): 510-517.
- 28 Alavi, Hamed S., and Pierre Dillenbourg. "Flag: an ambient awareness tool to support informal collaborative learning." In *Proceedings of the 16th ACM international conference on Supporting group work*, pp. 315-316. ACM, 2010.
- 29 Bachour, Khaled, Hamed S. Alavi, Frédéric Kaplan, and Pierre Dillenbourg. "Low-resolution ambient awareness tools for educational support." (2010).
- 30 Alavi, Hamed S., Dillenbourg, P., & Kaplan, F. (2009, September). Distributed awareness for class orchestration. In *European Conference on Technology Enhanced Learning* (pp. 211-225). Springer, Berlin, Heidelberg. **Best Paper Award**
- 31 Alavi, Hamed S., Seth Gilbert, and Rachid Guerraoui. "Extensible encoding of type hierarchies." In *ACM SIGPLAN Notices*, vol. 43, no. 1, pp. 349-358. ACM, 2008.
- 32 Alavi, Hamed S., Mona Mojdeh, and Nasser Yazdani. "A quality of service architecture for IEEE 802.16 standards." In *Communications, 2005 Asia-Pacific Conference on*, pp. 249-253. IEEE, 2005. Harvard
- 33 Mojdeh, Mona, Hamed S. Alavi, Nasser Yazdani, and Caro Lucas. "An adaptive bandwidth reservation method for IEEE 802.16 BWA system: Using data mining techniques." In *14th IST Mobile & Wireless Communications Summit*. 2005.
- 34 Alavi, Hamed S., Pierre Dillenbourg, and Frederic Kaplan. "On the Importance of Spatial Configuration of Information." In *11th International Conference on Ubiquitous Computing*.