

intelligent connectivity, using evolving forms of wireless grid infrastructure and infrastructureless networking.

8.0.4. Fourth. An ambient privacy agenda is developed with recommendations for research and practice, focusing on ambient privacy; socio-technical interactions; computational thinking; a design and underdesign mindset; boundary crossing; and information sensitivity.

Using the underdesign concept, this study contributes insight into the potential for collaboratively designing smarter privacy, as in, ambient privacy, in support of technology-people-information interactions and practices, aligned to smart and healthy societies for the 21st century.

9. References

- [1] G. Fischer. (2013). "Learning, Social Creativity, and Cultures of Participation", In A. Sannino, & V. Ellis (Eds.), *Learning and Collective Creativity: Activity-Theoretical and Sociocultural Studies*. NY, NY: Taylor & Francis/Routledge.
- [2] A. Cavoukian. (2014). *Privacy by Design*. Toronto, ON: Information & Privacy Commissioner of Ontario. <http://www.privacybydesign.ca/>
- [3] D. Thompson, and M.L. Kaarst-Brown. (2005). "Sensitive Information: A Review and Research Agenda", *JASIS&T*, 56(3), pp. 245-257.
- [4] L.W. McKnight, R.M. Sharif, and L. Van de Wijngaert. (2005). "Wireless Grids: Assessing a New Technology from a User Perspective", In *Designing Ubiquitous Information Environments: Socio-Technical Issues and Challenges*, C. Sørensen, H. Yoo, K. Lyytinen, and J.I. DeGross, (Eds.) NY: Springer, pp. 169-182.
- [5] M.P. Arnone, R.V. Small, S.A. Chauncey, and H.P. McKenna. (2011). "Curiosity, Interest and Engagement in Technology-Pervasive Learning Environments: A New Research Agenda", *ETR&D*, 59(2), pp. 181-198.
- [6] D. Boyd. (2011). "Social Network Sites as Networked Publics: Affordances, Dynamics, and Implications", In *A Networked Self: Identity, Community, and Culture on Social Network Sites*, Z. Papacharissi, (Ed.) NY: Routledge, pp. 39-58.
- [7] L. Johnson, S. Adams Becker, M. Cummins, V. Estrada, A. Freeman, and H. Ludgate. (2013). *NMC Horizon Project Report: 2013 Higher Education Edition*. Austin, TX: NMC.
- [8] L.W. McKnight, J. Howison, and S. Bradner. (2004). "Wireless Grids: Distributed Resource Sharing by Mobile, Nomadic, and Fixed Devices", *IEEE Internet Computing*, 8(4), pp. 24-31.
- [9] B. De Ruyter and E. Aarts. (2009). "Experience Research: A Methodology for Developing Human-centered Interfaces", In *Handbook of Ambient Intelligence and Smart Environments*, H. Nakashima and J. C. Augusto, (Eds.) NY: Springer, pp. 1039-1067.
- [10] N. Sebe. (2010). "Human-Centered Computing", In *Handbook of Ambient Intelligence and Smart Environments*, H. Nakashima, H. Aghagan, and J. C. Augusto, (Eds.) NY: Springer, pp. 349-37.
- [11] Z. Papacharissi and M. de Fatima Oliverira. (2011). "The Rhythms of News Storytelling on Twitter: Coverage of the January 25th Egyptian Uprising on Twitter", *WAPOR Conference*. Amsterdam, Netherlands.
- [12] A. Ramnarine-Rieks, L.W. McKnight, and R.V. Small. (2011). "Collaborative Learning through Wireless Grids", *HICSS 44*, Hawaii.
- [13] L.W. McKnight, J. Treglia, and A. Kuehn. (2010). "Wireless Grids or Personal Infrastructure: Policy Implications of an Emergent Open Standard", *TPRC, 38th Research Conference on CIIP* Arlington, VA.
- [14] D. Fidler. (2012). Understanding Work Skills for the Decade Ahead", *Information Outlook*, 6(4), pp. 10-12.
- [15] M. Hildebrandt, K. O'Hara, and M. Waidner. (2013). *Digital Enlightenment Yearbook 2013: The Value of Personal Data*. Amsterdam, Netherlands: IOS Press.
- [16] C.S. Yoo. (2014). "Toward a Closer Integration of Law and Computer Science", *Communications of the ACM*, 67(1), pp. 33-35.
- [17] H. Xu. (2012). "Reframing Privacy 2.0 in Online Social Networks", *Journal of Constitutional Law*, 144, pp. 1077-1102.
- [18] S. Monteleone. (2011). "Ambient Intelligence and the Right to Privacy: The Challenge of Detection Technologies", *EUI Working Papers, Law 2011/13*, Department of Law. Italy: European University Institute.
- [19] J. Devine. (2013). "Personalized Learning Together", *Open Education 2030*, UK, JRC-IPTS call for Vision Papers, Part II, School Education.
- [20] D. Katsaros, N. Dimokas, and L. Tassioulas. (2010). "Social Network Analysis Concepts in the Design of Wireless Ad Hoc Network Protocols", *IEEE Network*, 24(6), pp. 23-29.