



ERCIM "ALAIN BENSOUSSAN"
FELLOWSHIP PROGRAMME



Scientific Report

First name / Family name	Rob Comber
Nationality	Irish
Name of the <i>Host Organisation</i>	RISE SICS
First Name / family name of the <i>Scientific Coordinator</i>	Anna Ståhl
Period of the fellowship	01/10/2017 to 01/03/2018

I – SCIENTIFIC ACTIVITY DURING YOUR FELLOWSHIP

The research focused on the role of digital technology in civic society, particularly ways in which data can be understood as a social and material structure and form of participation in civic activities. The output from this period (see section II) reflects the application of thinking on this issue to: sustainability and workplace environments, the food system, public health systems, and public service delivery. During the fellowship period further data analysis and reading have been conducted to support further writing. This included working on a review of citizen participation through digital technologies in terms of 1) feminist perspectives on data and data science, 2) citizen science and levels of participation, 3) nature of cooperatives as organising social movement, and 4) the role of technology in the construction of place as a civic activity. It is anticipated that a further 4 papers will emerge from this time, including:

- 1) Feminist HCI: A review of 10 years of feminisms in Human-Computer Interaction. Targeted venue: ACM CHI'19.
- 2) A systematic review of levels of citizen participation in Citizen Science. Targeted venue: Computers in Human Behaviour.
- 3) Understanding cooperatives in the age of platform cooperativism. Targeted venue: CSCW.
- 4) HCI and Spatial Justice. Targeted venue: Transactions on Human Computer Interaction.

II – PUBLICATION(S) DURING YOUR FELLOWSHIP

Peer reviewed paper

Accepted

Clear, A., Mitchell Finnigan, S., Olivier, P. and Comber, R. (2018, forthcoming). ThermoKiosk: Investigating roles for digital surveys of thermal experience in workplace comfort management. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems - CHI '18*. New York, New York, USA: ACM Press.

Bellini, R., Olivier, P. and Comber, R. (2018, forthcoming). “That Really Pushes My Buttons”: Designing Bullying and Harassment Training for the Workplace. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems - CHI '18*. New York, New York, USA: ACM Press.

Prost, S., Crivellaro, C., Haddon, A., and Comber, R. (2018, forthcoming). Food Democracy in the Making: Designing with Local Food Networks. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems - CHI '18*. New York, New York, USA: ACM Press.

Concannon, S., Balaam, M., Simpson, E. and Comber, R. (2018, forthcoming). Applying Computational Analysis to Textual Data from the Wild: A Feminist Perspective. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems - CHI '18*. New York, New York, USA: ACM Press.

Dow, A., Comber, R., and Vines, J. (2018, forthcoming). Between Grassroots and the Hierarchy: Lessons Learned from the Design of a Public Services Directory. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems - CHI '18*. New York, New York, USA: ACM Press.

Under Review

Heitlinger, S., Bryan-Kinns, N., and Comber, R. (under review). Connected Seeds and Sensors: Co-designing Internet of Things for Sustainable Smart Cities with urban food-growing communities. *Participatory Design Conference (PDC18)*.

Heitlinger, S., Bryan-Kinns, N. and Comber, R. (under review). A framework for identifying value in co-design research projects. *CoDesign*.

Balaam, M., Colcannon, S., Simpson, E. and Comber, R. (under review). Unsupervised Topic Modelling of the FeedFinder Data to Describe Differences in Public Breastfeeding Experiences based on Indices of Multiple Deprivation Score. *Maternal & Child Health*.

Book Chapters

Strohmayr, A., Laing, M. and Comber, R. (in press). Justice-Oriented Ecologies: A Framework for Designing Technologies with Sex Work Support Services. In Dewey, S., Crowhurst, I. & Izugbara, C. (eds). *Routledge International Handbook of Sex Industry Research*. Routledge: London.

Clear, A., and Comber, R. (2018). Towards a social practice theory perspective on Sustainable HCI research and design. In Hazas, M. and Nathan, L. (eds). *Digital Technology and Sustainability: Engaging the Paradox*. Routledge: London.

III – ATTENDED SEMINARS, WORKHOPS, CONFERENCES

Planned attendance at ACM CHI'18 related to 5 accepted papers.

IV – RESEARCH EXCHANGE PROGRAMME (REP)

Not undertaken during fellowship period.