



Dr Roisin McNaney
BSc, PhD

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Summary

I have an interest in new and emerging technologies (VR, AR, Voice assisted technology, IoT devices) and how they can be used to support self-monitoring and management in people with long term health conditions (e.g. Parkinson's, dementia, mental health, COPD, stroke). I am also interested in how these technologies can support people within caring roles, or within care settings (e.g. assisted living).

I have a clinical background as a Speech and Language Therapist (SLT), and so am always interested in projects exploring how digital technology can support SLT practice.

My current active projects are exploring:

- The detection of mental health behaviours relating to self-harm, and binge eating and bulimia using mobile phone interactions
- The Co-Design of mobile applications to support clinical training of SLTs in Ghana
- The role of Alexa to support people with Parkinson's in improving speech clarity
- The use of the SPHERE platform (home based sensing) in detecting symptoms of Parkinson's
- Data supported decision making in COPD care (PhD supervision of Helena Tendedez, Lancaster Uni)
- The Co-Design of VR experiences with people transitioning into assisted living facilities

I am currently accepting PhD students

Memberships

Organisations

[Department of Computer Science](#)

[Department of Electrical & Electronic Engineering](#)

[Department of Engineering Mathematics](#)

[Merchant Venturers' School of Engineering](#)

Research Groups

- [Digital Health Engineering - Core](#)

Recent publications

- Munteanu, C, McNaney, R & Waycott, J, 2019, '[Avoiding and mitigating ethical traps in technocentric fieldwork](#)'. in: *CHI EA 2019 - Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems*. Association for Computing Machinery (ACM)

- McNaney, R, Wilson, C, Wallace, J, Brereton, M, Roper, A, Wilson, S & Sturdee, M, 2018, '[Giving a voice through design: adapting design methods to enhance the participation of people with communication difficulties](#)'. in: *Proceedings of the 15th Participatory Design Conference: Short Papers, Situated Actions, Workshops and Tutorial: PDC'15*. ACM Press / Sheridan, pp. 40
- McNaney, R, Tendedez, H, Ferrario, M-A & Whittle, J, 2018, '[Scoping the Design Space for Data Supported Decision-Making Tools in Respiratory Care: Needs, Barriers and Future Aspirations](#)', pp. 217-226
- McNaney, R, Welsh, D, Morrissey, K, Foley, S, Salis, C, McCarthy, J & Vines, J, 2018, '[Ticket to talk: Supporting conversation between young people and people with dementia through digital media](#)', pp. 375
- McNaney, R, Honary, M, Fisher, N & Lobban, F, 2018, '[A Web-Based Intervention for Relatives of People Experiencing Psychosis or Bipolar Disorder: Design Study Using a User-Centered Approach](#)'. *Journal of Medical Internet Research*, vol 5.
- McNaney, R, Strohmayer, A, Marshall, M, Verma, N, Bopp, C, Voids, A, Kirk, D & Bidwell, N, 2018, '[Untold Stories: Working with Third Sector Organisations](#)'. in: *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems: CHI'18*. ACM Press / Sheridan, pp. W37
- McNaney, R, Verbaan, S, Aldrington, C & Wallace, J, 2018, '[Potentials of HCI for Prisons and Incarcerated Individuals](#)'. in: *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems: CHI'18*. ACM Press / Sheridan, pp. SIG17
- McNaney, R, Vines, J, Dow, A, Robinson, H, Robinson, H, McDonald, K, Brown, L, Santer, P, Murray, D, Murray, J, Green, D & Wright, P, 2018, '[Enabling the Participation of People with Parkinson's and their Caregivers in Co-Inquiry around Collectivist Health Technologies](#)', pp. 491
- McNaney, R, 2018, '[Designing video stories around the lived experience of severe mental illness](#)', pp. 25-38
- McNaney, R, Bull, C, Mackie, L, Dahman, F, Stringer, H, Richardson, D & Welsh, D, 2018, '[StammerApp: Designing a Mobile Application to Support Self-Reflection and Goal Setting for People Who Stammer](#)', pp. 267

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