

Technology for Independence Communications 2016 (T4I2016)

Introducing T4I

After 2015 with no Recent Advances in Assistive Technology and Engineering conference it has been re-born as Technology for Independence (T4I) in 2016. There have been several changes. T4I has a new and formally convened board and hosting agreement. Previous years submissions to RAATE conferences became no longer openly available when the host changed. As best can be assured, the new arrangements mean that there should be an open access and permanently available archive through this T4I Communications publication.

T4I Board membership will change over time and whenever possible it will include representation across AT end users, health providers, social care providers, education services and academia. Currently the board comprises, the Chair – Simon Fielden - and ordinary members – Annalu Waller, Simon Judge, Paul Dryer, EA Draffan, Peter Cudd and Donna Cowan. The Centre for Assistive Technology and Connected Healthcare – CATCH – is the host organisation completing most of the promotional, logistic and administrative tasks associated with T4I (the T4I CATCH team comprising Anneliese Fraser, Richard Simmonds and Peter Cudd). In addition to being the host representative on the board Peter has acted as T4I Communications editor.

Readers and potential future contributors should be aware that T4I is primarily intended for stakeholders – health, social or educational – who use, take account of, innovate or support people in using, any technology that addresses independent living tasks (essentially assistive technology). The goals being to help these stakeholders keep up to date and share novel knowledge. This means that any new research, practice or commercial innovation within the field of interest can be considered for inclusion.

About T4I Communications

The name 'Communication' has been chosen for the very short papers that have been produced by the authors of the accepted papers.

T4I Communications documents the contributions presented and published at T4I2016 in St. Mary's conference centre, Sheffield, England. The University of Sheffield is providing the T4I hosts a way to permanently publish the T4I conference contents online and open access through ORDA (Open Research Data Archive). Each communication will have a unique DOI number and be citeable.

In the following index of T4I 2016 communications the first author's surname is used to produce the alphabetical list. The list comprises the anticipated citation based on Harvard format and a link to the published communication.

In all matters concerning this publication you may email T4I@sheffield.ac.uk .

Index of T4I 2016 Communications

Barradas, Manuel; Joseph Carol; Milliken, Neil; Sharpe, Mark (2016): Modifications to a Customer Relationship Management (CRM) database system to enable the use of speech recognition software. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. Figshare.
<https://dx.doi.org/10.15131/shef.data.4256543>

Boyle, Bryan; Arnedillo-Sanchez, Inmaculada; Zahid, Aejaz: Designing collaborative virtual environments for children on the Autism Spectrum. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. Figshare.
<https://dx.doi.org/10.15131/shef.data.4256540>

Brogia, Emma; Millings, Abigail; Barkham, Michael: Therapist experiences of supplementing counselling with guided use of a well-being mobile phone app. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. Figshare.
<https://dx.doi.org/10.15131/shef.data.4256537>

Darley, Sally: Novel Navigation of an Alternative and Augmentative Communication Device. *T4I Communications 1, T4I2016 – Non-research*, Nov 2016. Figshare.
<https://dx.doi.org/10.15131/shef.data.4256534>

Draffan, EA; Wald, M; Ahmad, A.I.; Kadous, A.; Zeinoun, N; Banes, D.; Sabia, O.; Lawand, D.: Personalise, Localise and Globalise: Symbols to enhance independent Communication. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. Figshare.
<https://dx.doi.org/10.15131/shef.data.4256531>

Fitzgerald, Neil: Advanced switches and other new developments in access. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. Figshare.
<https://dx.doi.org/10.15131/shef.data.4256528>

Gillham, Michael: Developing Effective Intelligent Assistance for the Powered Wheelchair User. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. Figshare.
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Hewett, Paul; Wade, Will: Open Design: a proposed web service to facilitate sharing of hardware and software solutions in assistive technology. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256516>

James, Abi; Cliffe, Emma; Dyer, Jennifer: STEM Enable: improving STEM accessibility through knowledge sharing. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. *Figshare*.
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James, Abi; Draffan, E.A.; Cudd, Peter; Bentley, Claire: Terminology, understanding AT and practice. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256510>

Judge, Simon; Nasr, Nasrin; Hawley, Mark: The potential application of EMG as assistive technology: a usability study. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256507>

Kirton, Andrea; Darley, Sally: Simplicity is the Ultimate Sophistication. *T4I Communications 1, T4I2016 – Non-research*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256501>

Lee, Steve: Stepping Stones for people with cognitive disabilities and low digital literacy. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256480>

Moseley, Mark: The use of technology to provide physical interaction experiences for cognitively able young people who have complex physical disabilities. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. *Figshare*.
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Murphy, Joan: Digital Talking Mats: a tool to enhance communication. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256495>

O'Neill, Peter; Kirton, Andrea; Prescott, Ste: DrawTalk, an alternative input method for an AAC. *T4I Communications 1, T4I2016 – Academic/Research*, Nov 2016. *Figshare*.
<https://dx.doi.org/10.15131/shef.data.4256492>

Purdham, Stephen: My Favourite things: The emerging IoT and the impacts that are expected in Social care in the Technology adoption of Multi-Platform AT elements. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. Figshare.

<https://dx.doi.org/10.15131/shef.data.4256474>

Redmond, Emily; French, Tom: Disabled people crossing the digital divide: Supporting independence with digital skills in the community. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. Figshare.

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Tucker, Dave; Toffolo Lucy : Best practices for creating note-taking independence with audio-visualisation technology. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. Figshare.

<https://dx.doi.org/10.15131/shef.data.4257977>

Ward, Sarah: A Case report of Technological Aids for Episodic Memory. *T4I Communications 1, T4I2016 – Knowledge Transfer*, Nov 2016. Figshare.

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