Programme

Wednesday 13th July

From 8am    Registration and coffee
The Atrium, City Campus

10am    Welcome
Pennine Lecture Theatre

Professor Paul Chamberlain, Professor Gail Mountain & Peter Barclay

Lab 4 Living

Professor Alistair Sambell, Pro-Vice Chancellor, Faculty of Arts, Computing, Engineering and Sciences, Sheffield Hallam University
**Wednesday 13th July** 10:30am Pennine Lecture Theatre

Keynote 1 **Professor Alan Newell**, MBE FRSE, School of Computing, University of Dundee

"Protected Living"

Technology offers to assist in maintaining the health and safety of older people who want to stay in their own homes – as well as reducing local authority budgets. But what are the design and usability issues that need to be addressed to actually make this work?

Keynote 2 **Professor Roger Coleman**, Professor Emeritus of the Royal College of Art

"Evidence-based Design for Patient Safety - or how do we convince NHS decision-makers that design is about more than having neat ideas?"

Through a series of collaborative design cases studies between the Royal College of Art, the National Patient Safety Agency (NPSA), Imperial College and St Mary’s Hospital Paddington, Roger will explore the central role of research-driven design in tackling patient safety – a major 21st century challenge – and ways of approaching the difficult problem of providing an evidence-base for design in healthcare.

**Lunch** 12.30pm-1.30pm

**Devices for Dignity Workshop** 1.30pm-3.30pm, Pennine Lecture Theatre

During this interactive session, the team will introduce the D4D concept, discuss user involvement and use case studies to demonstrate devices and technologies currently in development. The second part of the session will examine design considerations and constraints, user versus customer conflicts and consider the role of collaborative inter-disciplinary design.

**Tea** 3.30pm-4pm
Parallel sessions 1 4pm-5.30pm

Environments 1
Owen, Room 1031
The association between depressive symptoms and building design in care homes. Potter, R; Cain, R et al.
Contextual Research for Healing Patient Rooms Design - Patient Experience flow studies in neurology department. Daemen, E; Cuppen, R
24hr Inclusive Design Challenge; V.N. Gaia; Portugal. Lopes, L

Service Design 1
Owen, Room 1029
Service innovation in hospital nutrition healthcare through co-design. Macdonald, A; Teal, G.
Designing Engagement. Wolstenholme, D; Dexter, M.; et al.
Community-centred Commissioning. Scenario building, co-creation and Design as part of the new GP Commissioning. Sangiorgi, D; Carr, V.

Design Methods 1
Owen, Room 1025
“Getting It Right For the End User” A customer centric approach to healthcare product and service development. Marsh, M.
Methodological issues about using interviewing for a research on older adults and bathing/showering products. Karaca Şalgamçıoğlu, B; Er, Ö; Gonzalez, R; Yoon, C
Workflow analysis for the design of medical devices and equipment. Boese, A.
Exploring an Inclusive Design Methodology within a Healthcare Technology Cooperative. Clarke, Z; Langley, J et al.

eHealth 1
Owen, Room 1032
MOMTECH- Using mobile technology in tackling maternal obesity. Rahman, F; Dearden, A et al.
Intuitive platform for multimedia information for social and health wellbeing. Cudd, P; Hawley, M et al.
Gener-G, the Human Energy Trading Game. Bec, R

6pm-8pm
Drinks reception and launch of the Design 4 Health exhibition and
Presentation by interactive media artist David Cotterell
Sheffield Institute of Arts Gallery, Furnival Building
Thursday 14th July

9 am

Parallel sessions 2 9am-10.45am

Interdisciplinary Working 1
Owen, Room 1029
Health Service Design and Health Service Innovation: Mapping the boundaries. Deardren, A; Wolstenholme, D et al.

KT-EQUAL – improving quality life for older people through fostering collaboration between health and design. Haigh, H

Touching light, seeing sound: what can we learn from inter-disciplinary working? Reed, A; Craig, C

Designing Out Medical Error (DOME). Davey, G; West, J

Service Design 2
Owen, Room 1025

Designing a New Touch to Colon Cancer Screening: In a Primary Care Waiting Room, How Can the Design of a Digital Intervention. Shellhorn, J S

Analysing and redesigning the outpatient experience for people with multiple sclerosis. Thomson, A; Espasandin, M et al.

Design solution for improving patient-doctor interaction at the Primary Care Clinic. Bitterman, N

Assisted Daily Living
Owen, Room 1031
Beyond a spoonful of syrup: understanding the physical barriers to drug access. Rodriguez-Falcon, E; Yoxall, A

Keeping people playing music in later life. Rowson, J; Rodriguez-Falcon, E et al.

Inclusive Retail Servescapes and Shopping Experiences for the Visually Impaired: An Ethnographic Study. Yu, H; Tullio-Pow, S

What is the best shape to twist? Rowson, J

Environments 2
Owen, Room 1032

Participation in healthcare environment engineering. Cain, R; Payne, S et al.

Supporting active ageing through designing memorable spaces. Agarwal, P
Design Methods 2

Owen, Room 1025

The Commode: A test case exploring the conflict between form and function. Smith, S.J

Health products; designed with, not for, end users. Dexter, M; Atkinson, P et al.

‘Using Lean Design Methodologies to optimise the patient/service user experience and contain through life cost of delivery. Lloyd, C

Self Management 1

Owen, Room 1029


Eliciting Therapists’ Requirements to Inform the Design of an Advanced Functional Electrical Stimulation Rehabilitation Tool. Smith, C; Howard, D et al.

Parallel sessions 3 11.15am-12.15pm

Professional Services 1

Owen, Room 1031

Using Human Factors Systems Design to Deliver Safe Patient Care. Harder, K

The CURE (Community Urgent Response Environment): Pods and Packs for Pre-Hospital Care. Hignett, S; Fray, M et al.

Patient ‘Carry Chairs’ – Risk factors and proposals for their redesign. Boocock, M

eHealth 2

Owen, Room 1032

Youth4Health Design Charrette: Mental Health Navigation Tools. Yip, A.L; Norman, C.D

The decentralized social networking systems towards mobilizing actions of citizenship and solidarity against cancer. Martins, N.D; Alvelos, H et al.

Coffee 10.45am-11.15am

Designing Health, as Physical, Mental and Social Well-being:

a range of products and prototypes showcasing more holistic approach to health care design.
Thursday 14th July 12:15pm Pennine Lecture Theatre

Keynote 3 Christoph Zellweger, contemporary jeweller, Switzerland and Professor of Art and Design, Sheffield Hallam University

"Incredibles: An artistic perspective on corporal design"

In the collective search for self-realisation and improvement, societies around the globe engage in experimenting with medical technologies and procedures, supported by expanding industries. The human body has become the subject of design, a commodity to be optimised and aestheticised.

This paper reports on an ongoing artistic enquiry into the constructed world of objects, bodies and identities, suggesting a possible “Corporal Design”-practice, perhaps the ultimate ‘embodiment’ of material culture.

Lunch 1pm-2pm

User-Centred Health Design Workshop
Furnival Building, Room 9002
2pm-3.15pm

'Service Design in the NHS'
The emergent discipline of service design offers the opportunity to change the

Parallel Sessions 4 2pm-3.30pm

Design Methods 3
Owen, Room 1025
Design as a Social Determinant of Health. Norman, C.D; Yip, A.L
Public Involvement in Assistive Technology Research: Evaluation of the impact of a user advisory group on design of Functional Electrical

Environments 3
Owen, Room 1029
Distraction and Attention: health, nature and art in the GROVE project at NHS Greater Glasgow and Clyde’s New Stobhill Hospital. Fremantle, C
Design of Dental Unit for Children. A.Hosseini, A

Inter-disciplinary Working 2
Owen, Room 1031
Embodied textiles for expression and wellbeing. Kettley, S; Downes, T
The double-diamond trail: collaborating with health researchers to design
relationships between patients and provider, but also to allow the NHS a new set of skills with which to implement and evaluate change. This session is an opportunity for those working in this field to share successes and challenges and to share learning about how best to use service design in this challenging context.

For more details on participating and how to book, please see a member of staff or ask at the reception desk.

**Tea 3.15pm-3.45pm**

**User-Centred Health Design Workshop**

3.45pm-6pm  Workshop continues

6pm-7pm  UCHD Drinks Reception

**Tea 3.30pm-4pm**

**Parallel Sessions 5 4pm-5.30pm**

**Design Methods 4**

*Owen, Room 1025*

Designing healthy services: The value of a Service Design approach. Warwick, L; Bailey, M

Designing a Healthcare System with Authentic User Participation. Went, K; McLeod, S et al.

Every picture tells a story. Craig, C

**Environments 4**

*Owen, Room 1029*

The therapeutic milieu in mental health care: What do we know about the contribution of ward design and architecture? Richter, D; Hoffmann, H

Therapeutic Daylight for Hospital Patients: A Search for the Benchmarks. Joarder, A.R; Price, A

Resident user perspectives for the elderly care home guidelines. Kälviäinen, M.H
Friday 15th July

9.30am  Room 1028, Owen Building

Keynote 4  Professor Geraldine Fitzpatrick, Professor of Design and Assessment of Technology and Head of the Human Computer Interaction (HCI) Group at the Faculty of Informatics in the Vienna University of Technology

"New challenges for health IT - design fit for life"
Technology is seen as the critical enabler for moving care out of clinical settings into patients’ hands and homes, and for empowering people to be active in their own health and well-being. This presents a radically different design space for health IT and for health practice; it fundamentally challenges our notions of patient, clinician, care and home. I’d like to reflect on some of these challenges and ask how we can design technologies that fit into our lives and deliver value to both the people who use them and their care providers.

Keynote 5  George Leahy, Deputy Director - Branch Head Innovation & Service Improvement.

*title to be confirmed*

Coffee 10.45am-11.15am
KT-Equal / Age UK Workshop

11.15am-12.45pm

Owen, Room 1028

This user-driven workshop is a collaboration between AgeUK and KT-Equal. KT-Equal is a government funded academic body tasked with knowledge transfer from academics to stakeholders. AgeUK is the largest charity representing the needs of older people in the UK. Delegates will have the opportunity to discuss issues around co-design and participatory research with older people.

Parallel Sessions 6  11.15am-12.45pm

**Design Methods 5**

Owen, Room 1025

Methods for collective creativity in experience design processes for health(care). Schepers, S; Dreessen, K et al.

Designing Domestic Cooking and Heating Products for the Positive Health and Wellbeing of Irish Older Adults. White, P.J.

"User requirements for leg-worn continence management systems" Moody, L; McCarthy, A et al.

Ergonomic assessment of construction equipment: An approach on industrial design. Naeini, H

**Self Management 2**

Owen, Room 1029


Your Map or Mine: visualising involvement for the development of eHealth projects. Hendriks, N; Dreessen, K

Use of Motivational Theories to Inform Design of Rehabilitative Technology for Motivating Self Managed Rehabilitation. Wilkinson, A; Mawson, S et al.

Lunch 12.45pm-1.45pm
Parallel Sessions 7  1.45pm-2.45pm

Professional services 2

Owen, Room 1025

NHS at home: 21st century healthcare in the bag. Swann, D

Investigating Participatory Design Method For Collaborative Development Of Surgical Tools. Ramli, S.H

A performance-based approach to medical glove design. Mylon, P.T; Lewis, R et al.

New artefacts/devices

Owen, Room 1029

Science, Technology and Design – How do we Harness Copper’s Antimicrobial Power? Tur, M

A study on the concept city vehicle design for the disabled aging people. Wu, JC; Chang, CC et al.

Wheelchair stability assessment: what are the prescriber requirements? Moody, L; ChiChi, C et al.

Prize giving and Plenary discussion  Room 1028 Owen Building, 2.45pm-4pm

Chaired by Professor Alastair Macdonald School of Design, The Glasgow School of Art