



PROGRAMME

Monday 22nd March

Auditorium

08.00 - 09.00 **Breakfast** - Dining Hall

09.00 - 12.15 **Registration** - Foyer

09.45 - 16.15 **SESSION 1 The CWUAAT Doctoral Consortium**
panellists including Prof John Clarkson, Prof Peter
Robinson, Prof Alastair Macdonald, Prof Ann Heylighen **Chair: Dr Pat Langdon**

10.00 - 10.30 1st Doctoral Paper: Blind Body Language: Haptics in the Homes
of Congenitally Blind **Jasmien Herssens**

10.30 - 10.45 **Morning Coffee** - Foyer

10.45 - 11.15 2nd Doctoral Paper: Contextualising Data for Design **Christopher McGinley**

11.15 - 11.45 3rd Doctoral Paper: Preliminary Study of the Cultural Barriers
Which May Affect Universal Access **Shena Parthab Taylor**

11.45 - 12.15 4th Doctoral Paper: The Development of Educational
Collaborative Virtual Environments for Children with Autism **Laura Millen**

12.15 - 13.15 **Lunch** (Self Service) - Dining Hall

13.15 - 13.45 5th Doctoral Paper: Lay User Characteristics Reflected by Their
Interaction with a Digital Camera and a Blood Pressure Monitor **Abdusselam Cifter**

13.45 - 14.15 6th Doctoral Paper: Out-of-box Experiences: An Opportunity for
Inclusive Design **Alison Burrows**

14.15 - 14.45 7th Doctoral Paper: Legislation, Standards and Government
Awareness of Inclusive Design in Denmark: The Impact on
Design Practitioners **Solvej Sebber Colfelt**

14.45 - 15.15 **Afternoon Tea** - Foyer

15.15 - 16.15 Judging and Results

18.45 - 19.45 **Dinner** (Self-service) - Dining Hall

Tuesday 23rd March

Auditorium

08.00 - 09.00	Breakfast - Dining Hall	
09.00 - 12.30	Registration - Foyer	
09.00 - 09.15	Workshop Opening	Workshop Chair
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09.15 - 12.30	SESSION 2 UNDERSTANDING USERS FOR INCLUSIVE DESIGN	Chair: Prof John Clarkson
09.15 - 09.40	The Effects of Hand Strength on Pointing Performance	P Biswas and P Robinson
09.40 - 10.05	Harnessing Different Dimensions of Space: The Built Environment in Anti-biographies	S Baumers and A Heylighen
10.05 - 10.30	Have I Just Pressed Something? The Effects of Everyday Cold Temperatures on Dexterity	E Elton, D Dumolo and C Nicolle
10.30 - 10.50	Morning Coffee - Foyer	
10.50 - 11.15	Understanding the Co-occurrence of Ability Loss	SD Waller, EY Williams, PM Langdon and PJ Clarkson
11.15 - 11.40	Accessibility is in the Palm of Your Hand	EM Rodriguez-Falcon and A Yoxall
11.40 - 12.05	Doctoral Consortium Paper 1	Winner 1
12.05 - 12.30	Discussion	
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12.30 - 13.30	Lunch (Self-service) - Dining Hall	
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13.30 - 16.30	SESSION 3 MEASURING INCLUSION	Chair: Colette Nicolle
13.30 - 13.55	Quantifying Exclusion for Tasks Related to Product Interaction	SD Waller, EY Williams, PM Langdon and PJ Clarkson
13.55 - 14.20	Investigating the Accessibility of State Government Web Sites in Maryland	J Lazar, P Beavan, J Brown, D Coffey, B Nolf, R Poole, R Turk, V Waith, T Wall, K Weber and B Wenger
14.20 - 14.45	Developing User Data Tools: Challenges and Opportunities	F Nickpour and H Dong
14.45 - 15.10	User-pack Interaction: Insights for Designing Inclusive Child-resistant Packaging	J de la Fuente and L Bix
15.10 - 15.30	Afternoon Tea - Foyer	
15.30 - 15.55	A Colour Contrast Assessment System: Design for People with Visual Impairment	H Dalke, GJ Conduit, BD Conduit, RM Cooper, A Corso and DF Wyatt
15.55 - 16.30	Discussion	
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18.45 - 19.45	Dinner (Self-service) - Dining Hall	
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Wednesday 24th March

Auditorium

08.00 - 09.00	Breakfast - Dining Hall	
09.00 - 12.45	SESSION 4 INCLUSIVE INTERACTION	Chair: Rui Loureiro
09.00 - 09.50	1st KEYNOTE: Inclusive Design and Marketing – Current Perspectives and Future Trends	Prof Pat Jordan
09.50 - 10.15	Evaluating the cluster scanning system	P Biswas and P Robinson
10.15 - 10.40	Morning Coffee - Foyer	
10.40 - 11.05	Facets of Prior Experience and Their Impact on Product Usability for Older Users	J Hurtienne, A-M Horn and PM Langdon
11.05 - 11.30	Investigating Designers' Cognitive Representations for Inclusive Interaction Between Products and Users	A Mieczakowski, PM Langdon and PJ Clarkson
11.30 - 11.55	Prior Experience and Learning: Generational Effects upon Interaction	C Wilkinson, PM Langdon, and PJ Clarkson
11.55 - 12.20	Email Usability for Blind Users	B Wentz, H Hochheiser and J Lazar
12.20 - 12.45	Discussion	
12.45 - 13.45	Lunch (Self-service) - Dining Hall	
13.45 - 15.00	Poster Presentations - William Thatcher Room	NOT AUDITORIUM Poster details on back page
15.00 - 15.30	Afternoon Tea - Wilson Court Common Room and Auditorium Foyer	
15.30 - 17.45	SESSION 5 USER FORUM	Chair: Ann Heylighen
15.30 - 15.55	1 st User Forum Paper: Document Design for PDF Accessibility	S Anderson
15.55 - 16.20	2 nd User Forum Paper: Reflection on the Experience of Conducting Inclusive Design Workshop for Teenagers	D Ho, Y Lee and A Tsang
16.20 - 16.45	3 rd User Forum Paper: The Importance of User Involvement	N Whiteman & Trust Participants
16.45 - 17.15	Open User Forum	ALL PARTICIPANTS
17.15 - 17.45	User Forum Discussion	
19.00 - 19.30	Pre Gala Dinner Drinks - Auditorium Foyer	
19.30	Gala Dinner (Waiter Service) - Dining Hall	

Thursday 25th March

Auditorium

08.00 - 09.00	Breakfast - Dining Hall	
09.00 - 13.00	SESSION 6 ASSISTIVE TECHNOLOGY	Chair: Dr Pat Langdon
09.00 - 09.50	2nd KEYNOTE Design, Environments and Special Needs	Prof Hilary Dalke
09.50 - 10.15	Expressing Through Digital Photographs: An Assistive Tool for Persons with Aphasia	A Al Mahmud, Y Limpens and JB Martens
10.15 - 10.40	Morning Coffee - Foyer	
10.40 - 11.05	An Investigation into Stroke Patients' Utilisation of Feedback from Computer-based Technology	J Parker, GA Mountain and J Hammerton
11.05 - 11.30	How to Make a Telephone Call When You Cannot Operate a Telephone	T Felzer, P Beckerle and S Rinderknecht
11.30 - 11.55	Husband, Daughter, Son and Postman, Hot-water, Knife and Towel: Assistive Strategies for Jar Opening	AYoxall, J Langley, C Musselwhite, EM Rodriguez-Falcon and J Rowson
11.55 - 12.20	Doctoral Consortium Paper 2	Winner 2
12.20 - 12.45	Gaming and Social Interactions in the Rehabilitation of Brain Injuries: A Pilot Study with the Nintendo Wii Console	RCV Loureiro, D Valentine, B Lamperd, C Collin and WS Harwin
12.45 - 13.00	Discussion	
13.00 - 14.00	Lunch (Self-service) - Dining Hall	
14.00 - 14.50	SESSION 7 INCLUSION AND HEALTHCARE	Chair: Sue Cobb
14.00 - 14.25	The Involvement of Primary Schools in the Design of Healthcare Technology for Children	M Allsop, R Holt, J Gallagher, M Levesley and B Bhakta
14.25 - 14.50	Promoting Behaviour Change in Long Term Conditions Using a Self-management Platform	PJ McCullagh, CD Nugent, H Zheng, WP Burns, RJ Davies, ND Black, P Wright, MS Hawley, C Eccleston, SJ Mawson and GA Mountain
14.50 - 15.05	DISCUSSION BEST PAPER PRESENTATION AND CLOSING	Chair: Prof Peter Robinson Prof John Clarkson Dr Pat Langdon
15.05 - 15.30	The conference finishes with Afternoon Tea - Foyer	
15.30	Depart	

POSTER PRESENTATIONS - William Thatcher Room

I UNDERSTANDING USERS FOR INCLUSIVE DESIGN

1. Preliminary Study of the Cultural Barriers Which May Affect Universal Access
- *S.P. Taylor, C.A. Nicolle and M.C. Maguire, Loughborough University, UK*
2. Reflection on the Experience of Conducting Inclusive Design Workshop for Teenagers
- *D.K.L. Ho, Y. Lee and A.S.Y. Tsang, Hong Kong Polytechnic University, China*
3. Development of the Social Implications of Inclusive Design and Some Thoughts on the Next Steps
- *Y. Lee, Helen Hamlyn Centre, Royal College of Art, UK*
4. Lay User Characteristics Reflected by Their Interaction with a Digital Camera and a Blood Pressure Monitor
- *A.S. Cifter and H. Dong, Brunel University, UK*
5. The Development of Educational Collaborative Virtual Environments for Children with Autism
- *L. Millen, R. Edlin-White and S. Cobb, University of Nottingham, UK*
6. Inclusive Task Environments for the Aged
- *D. Seidel, C. Brayne and P.J. Clarkson, University of Cambridge, UK*

II MEASURING INCLUSION

7. Building Relationships with the Invisible in the Digital Economy
- *A.D. Lloyd, Y.F. Barnard and M.D. Bradley, University of Edinburgh, UK*
8. User Profiles for People with Disabilities
- *A.M. Frydyada de Piotrowski and M.J. Tauber, University of Paderborn, Germany*
9. Experimental Validation of Movement Patterns of the Upper Extremity Based on Body-worn Sensors
- *J.H.M. Bergmann, P.M. Langdon and R.E. Mayagoitia, King's College London, UK*
10. Contextualising Data for Design
- *C. McGinley, J. Bound and H. Dong, Brunel University, UK*

III INCLUSIVE INTERACTION

11. Blind Body Language: Haptics in the Homes of Congenitally Blind
- *J. Herssens and A. Heylighen, KU Leuven, Belgium*
12. Wireless Remote Control System of Household Appliances Using Speech Recognition and Image Processing
- *N. Kawarazaki et al., Kanagawa Institute of Technology, Japan*
13. Document Design for PDF Accessibility
- *S. Anderson, Open University, UK*
14. New Way of Vocal Interface Design: Formal Description of Non-verbal Vocal Gestures
- *O. Poláček, Z. Mikovec, A.J. Sporka and P. Slavík, Czech Technical University in Prague, Czech Republic*

IV HEALTHCARE, ASSISTIVE AND REHABILITATION TECHNOLOGY

15. Investigating the Use of Sensor-based Technology for Improving Sleep Quality Among Older People
- *B.E. Carey-Smith, N.M. Evans and R.D. Orpwood, University of Bath, UK*
16. A Smarter Food Service for Nutritionally Vulnerable Older Adult Hospital Patients
- *A.S. Macdonald, G. Teal and P. Moynihan, Glasgow School of Art, Scotland*
17. Complex Systems, Collective Mind-shifting and Interactive Workshop Design
- *A.S. Macdonald, G. Teal and G. Rice, Glasgow School of Art, Scotland*

V LEGISLATION, BUSINESS ADVANTAGES AND APPLICATIONS

18. Legislation, Standards and Government Awareness of Inclusive Design in Denmark
 - *S.S. Colfelt and R. Herriott, Aarhus School of Architecture, Denmark*
19. User-centred Design as Innovation Driver in a Risk-averse Business Environment
 - *M. Kecman and L. Stroux, Helen Hamlyn Centre, Royal College of Art, UK*
20. Out-of-box Experiences: An Opportunity for Inclusive Design
 - *A. Burrows, V. Mitchell and C. Nicolle, Loughborough University, UK*

VI THE DESIGN OF ACCESSIBLE AND INCLUSIVE CONTEXTS

21. How Do Architects Design Inclusively? A Survey of Inclusive Design in Architectural Practice in Flanders
 - *E. Verdonck and H. Froyen, PHL, Belgium*
22. Conservation Meets Inclusion. Model Meets Reality
 - *A. Heylighen, E. Neyt, S. Baumers, J. Herssens and P-W. Vermeersch, KU Leuven, Belgium*
23. Can Crap Design be Inclusive? The Case for Deliberative Design
 - *A. Heylighen and M. Bianchin, KU Leuven, Belgium*