

Dr Deana McDonagh is an Associate Professor of Industrial Design in the School of Art + Design at the University of Illinois (Urbana-Champaign) and faculty at the Beckman Institute of Advanced Science and Technology. Prior to joining the University of Illinois she was a Reader in User-Centred Design at Loughborough University in the UK. She is an *Empathic Design Research Strategist* who focuses on enhancing quality of life for all through more intuitive and meaningful products, leading to *emotional sustainability*. Her research concentrates on emotional user-product relationships and how empathy can bring the designer closer to users authentic needs.



Contact details: t: (217) 766 2259 4365 Beckman Institute of Advanced Science and Technology
f: (217) 244 6219 University of Illinois (Urbana-Champaign)
e: mcdonagh@illinois.edu 405 North Mathews Avenue, Urbana, Illinois 61801

Education:

2006	Pass	PhD Industrial Design	Loughborough University (UK)
1996	Pass (Merit)	MSc Industrial Design	Salford University, Manchester (UK)
1989	2:1	BA (Hons) Three Dimensional Design	Metropolitan University (UK)(Manchester Polytechnic)

Employment Details

Spring 2011 (<i>pending</i>)	0.2% Research Faculty / School of Art and Design, Coventry University (UK)
Jan 2011 - present	Faculty member / Institute for Arts Entrepreneurship (USA)
Aug 2009 - present	Affiliated faculty member / Gender & Women's Studies Program (UIUC, USA)
Aug 2008 - present	Affiliated faculty member / Institute of Aviation and Human Factors (UIUC, USA)
Oct 2005 - present	Faculty member / Beckman Institute for Advanced Science and Technology (UIUC, USA)
Jan 2004 - present	Associate Professor / School of Art + Design, University of Illinois, Urbana/Champaign (USA)
Mar 2003 - Dec 2003	Reader in User-Centred Industrial Design / Dept of Design and Technology, Loughborough University (UK)
Aug 1997 - Mar 2003	Lecturer/Industrial design and Technology / Dept of Design and Technology, Loughborough University (UK)
Sept 1996 - Jul 1997	Lecturer/Product design / Dept of Product Design and Engineering, University of Central Lancashire (UK)

Professional memberships and activities

1. Fellow of the World Demographic Association
2. Fellow of the Design Research Society
3. Co-editor of the Design Journal
4. Member of the Editorial Board for the Journal of Engineering Design
5. Member of the Institution of Engineering Designers
6. Member of the Industrial Design Society of America
7. Fellow of the Royal Society of Arts
8. Associate Member of the Ergonomics Society
9. Faculty Fellow of the Academy for Entrepreneurial Leadership (College of Business) 2009-2011
10. Member of the Advisory Board for the Academy of Entrepreneurial Leadership (College of Business) 2009-2011

Selected Research projects

1. *Disability + Relevant Design*: Design course and research project that enables students with disabilities to engage in design studio to support more effective new product development and enhance design education.
2. *Trans-generational Visual Stimuli*: Employing mood boards to help designers ascertain the effectiveness of their choice of abstract images during the early stages (concept generation) of their designing processes, with a focus on the aging consumer.
3. *Empathic Design Research*: Developing approaches, tools and methods to support designers during their research activities.

Selected Recent Design awards, grants and bursaries

1. (*Submitted and Pending*) McCartan S and **McDonagh D** (2010) "Split-site European Design PhD and the Development of a European Design Network." Prime Minister's Initiative, British Council (\$35,000).
2. **McDonagh D** (2011) "Creativity being the core to knowledge creation: Developing Community." Beckman Institute, Building Bridges to Interdisciplinary Learning at Illinois: Integrating Education and Research initiative. (\$3,000)
3. **McDonagh D** and Brown Z (2010) 'A Collaborative Robotic Painting Machine that Enables Multidisciplinary Performance and Art Making for People with Disabilities'. *Campus Research Board Award* (\$18,100).
4. Faculty Fellows Program (2010-2011) from the *Academy for Entrepreneurial Leadership*, to develop a lecture series to accompany the Disability + Relevant Design course (\$20,000).

5. Faculty Bursary Award from the *National Inventors Hall of Fame's 2009 Collegiate Inventors Competition* – overall winner Stephen Diebold (Industrial Design undergraduate student). The Drop Pointer. Museum of Science and Industry, Chicago, 20 Oct 2009.
6. Co-Chair of the Faculty Fellows programs in the *Academy for Entrepreneurial Leadership*, College of Business (2009-2011).
7. *Center for Advanced Study* Research Associate Appointment (University of Illinois (Urbana-Champaign)), "The Role of Empathic Design in Integrating People with Disabilities into Industrial Design Product Development," 2009-2010.
8. Weightman D, Singer A and **McDonagh D**. "Developing design thinking in multi-disciplinary teams." *National Collegiate Inventors and Innovators Alliance*, 2009 (\$34,000).
9. **McDonagh D**, Khuri L and Sears S, "Effects of Collaborative Design on Students with Physical Disabilities and Able-bodied Design Students". *Mary Jane Neer Research Grant*, College of Applied Health Sciences, 2009 (\$14,800).
10. **McDonagh D**, Khuri, L and Sears S, "Disability + Relevant Design – Social Inclusion Component." *Community Informatics Initiative*, NSF, 2009 (\$15,000).
11. **McDonagh D**, Dickson, S, and Hedrick, B "Develop Physical Intuitive Integrated Mathematical Information Objects." *Creative Research Grant*, FAA, \$11,000, with an additional \$7000 from the Beckman Institute for Advanced Science and Technology, 2009 (\$18,000 total).
12. *Arnold O. Beckman Award* for exceptional promise for the "Trans-generational Learning: Communication through visual stimuli" project jointly with Dr Jason McCarley (Psychology/Aviation and Human Factors), Spring, 2008.
13. **McDonagh D**, "Disability + Relevant Design Course Development." *Informatics Curriculum Development Initiative: iCube National Science Foundation*, 2008 (\$17,907).
14. **McDonagh D**, McCarley J and Kaczmariski H, "Trans-generational Learning: Communication through visual stimuli." *Campus Research Board*, 2008 (\$22,530).
15. **McDonagh D** and Kaczmariski H, "Visual Data Capture Display Cabinets." *Campus Research Board*, 2006 (\$17,300).
16. **McDonagh D**. To establish a community based course. Funded by the Office of the Vice Chancellor for Public Engagement and Institutional Relations, UIUC. *Community Based Learning*, 2004-2006 (\$27,500).
17. **McDonagh D**. *European Commission* (contract number QLK6 CT 2002 02576)(\$358,000) Research, development and demonstration of a novel non-invasive continence management system (NICMS). (UK)(2002-2005).
18. **McDonagh D**. *Engineering and Physical Sciences Research Council* (1999)(GR/M98654)(\$100K) Supporting new product development by applying a user-centred design approach.
19. **McDonagh D**. *Arts Humanities Research Board* (1999)(B/SG-AN6080/APN9824)(\$9.4K) The use and development of focus groups as a contributor towards better design methods.

Academic refereed international journal articles

1. **McDonagh D** and Barnhart T (2011) "Integar Empatia no Processo do Design: Uma Mundanca de Paradigma." (Integrating Empathy in the Designing Process: A Paradigm Shift). *Estudos em Design (in press)*
2. **McDonagh D**, Thomas J and Strickfaden M (2010) "Empathic Design Research: Towards a new mode of industrial design education. *Design Principles & Practices: An International Journal. (in press)*
3. **McDonagh D** and Thomas J (2010) "Rethinking design thinking: Empathy Supporting Innovation." *Australasian Medical Journal, Special Edition: Health and Design*. Jiwa M (ed.), 3(8): 458-464.
4. Vostral S and **McDonagh D** (2010) "Missed Opportunities: Integrating Feminist Approaches into the Design Process." *Design Principles & Practices: An International Journal*. 4(4): 113-128.
5. Lobos A and **McDonagh D** (2010) "The meaning of Design Awards and their influence in Design Business and Education." *Design Principles & Practices: An International Journal*. 4(3): 165-178
6. (invited) **McDonagh D** and Thomas J (2010) "Empathic Design Research: Disability + Relevant Research." In Malins J (ed.) *The Design Journal: Special Edition "Connexity"*, 13 (2): 180-198.
7. (invited) **McDonagh D** (2009) "Empathic Design: Disability + Relevant Design." *Journal of Nanjing University of Science and Technology (Natural Science)*, 33: 24-29.
8. **McDonagh D** (2008) "Do it until it hurts! Empathic Design Research." *Design Principles and Practices: An International Journal*, 2(3): 103-109.
9. **McDonagh D** and Campbell L (2008) "Implementing Empathic Methods in Design Research Education." *Qualitative Inquiry*, 15(5): 587-606.
10. **McDonagh D**, Goggin N and Squiers J (2005) "Signs, Symbols, and Subjectivity: An Alternative View of the Visual." *Computers and Composition* 22(1): 79-86. ISSN 8755-4615
11. **McDonagh D** and Storer I (2005) "Mood boards as a design catalyst and resource: researching an under-researched area." *Design Journal* 7(3): 16-31. ISSN 1460-6925
12. Denton H and **McDonagh D** (2005) "An exercise in symbiosis: undergraduate designers and a company product development team working together." *The Design Journal* 8(1): 41-51. ISSN 1460-6925
13. **McDonagh D**, Wilson L, Haslam C and Weightman D (2005) "Good vibrations: Do electric therapeutic massagers really work?" *Ergonomics* 48(6): 680-691. ISSN 0014-0139

14. **McDonagh D** and Denton H (2005) "Exploring the degree to which individual students share a common perception of specific mood boards: observations relating to teaching, learning and team-based design." *Design Studies* 26(1): 35-53. ISSN 0142-694X
15. Watson B and **McDonagh D** (2004) "Supra-functionality: Responding to Users needs beyond the functional." *Engineering Designer: The Journal of the Institution of Engineering Designers Journal*, Sept/Oct: 8-11.
16. Denton H and **McDonagh D** (2003) "Using focus group methods to improve students' design project research in schools: drawing parallels from action research at undergraduate level." *International Journal of Technology and Design Education*. 13(2): 129-144. ISSN 0957 7572
17. **McDonagh D** and Lebbon C (2003) "Workshop – The Pleasure Zone: Exploring Day-to-Day Living." International Council of the Societies of Industrial Design. *National Design News*. October-December 2003 5-6: 18.
18. **McDonagh D** and Reid A (2003) "Living with Urinary Incontinence: Placing the individual at the heart of design research and product development." *The Column: A quarterly journal for the National Back Exchange*. 15 (3): 24-27. ISSN 1461 0922
19. **McDonagh D**, Torrens G E and Reid A (2003) "Meeting Needs Beyond the Functional: Living with Urinal Incontinence." *The Ergonomist: the newsletter of the Ergonomics Society* (April) No 394: 4. ISSN 0268-5639
20. **McDonagh D**, Bruseberg A and Haslam C (2002) "Visual evaluation: exploring users' emotional relationships with products." *Applied ergonomics: Human Factors in Technology and Society*, 33(3): 221-240 ISSN 0003-6860
21. Bruseberg A and **McDonagh-Philp D** (2002) "Focus groups to support the industrial/product designer: A review based on current literature and designers' feedback." *Applied Ergonomics: Human Factors In Technology and Society*, 33 (1): 27-38. ISSN 0003-6860
22. Bruseberg A and **McDonagh-Philp D** (2001) "New product development by eliciting user experience and aspirations." *International Journal of Human Computer Studies*. 55(4): 435-452, October. ISSN 1071-5819
23. Garner S and **McDonagh-Philp D** (2001) "Problem interpretation and resolution via visual stimuli: the use of 'mood boards' in design education." *The Journal of Art and Design Education*, 20(1): 57-64. ISSN 0260 9991
24. Torrens G E, **McDonagh-Philp D** and Newman A (2001) "Getting a grip: the evaluation of a theoretical model of hand and object interaction." *The Ergonomics in Design: The Magazine of Human Factors Applications* (Spring) 9(2): 7-13. ISSN 1064-8046
25. Torrens G E and **McDonagh-Philp D** (2001) "Handle with care: getting a grip on specialist cutlery design." *NewDesign Magazine*, Vol 3 (March/April): 54. ISSN 1472-2674
26. **McDonagh-Philp D**, Denton H and Bruseberg A (2000) "Use and evaluation of focus group technique: the undergraduate industrial designer experience." *The Journal of the National Association for Design Education*. 8: 17-26. ISSN 1354-408 X
27. **McDonagh-Philp D** and Lebbon C (2000) "The emotional domain in product design." *The Design Journal* 3(1): 31-43. ISSN 1460-6925
28. **McDonagh-Philp D** (2000) "Can designers transcend their own gender and design effectively for others?" *NewDesign Magazine* (October/November) 1: 32-34. ISSN 1472-2674
29. **McDonagh-Philp D** and Bruseberg A (2000) "Using focus groups to support new product development." *Engineering Designer: Institution of Engineering Designers Journal*. 26(5): 4-9. ISSN 0013 7858
30. **McDonagh-Philp D** and Torrens G E (1999) "Developing a user-centred approach to new product innovation." *Academy Newsletter, The European Academy of Design* (July) 1999.
31. **McDonagh-Philp D** and Wormald P (1999) "An approach to breaking down barriers to innovative thought for design students." *The Journal of Design and Technology: The DATA Journal*. (Spring) 4(1): 65-69. ISSN 1-360-143-1
32. **McDonagh-Philp D** and Denton H (1999) "Using focus groups to support the designer in the evaluation of existing products: A case study." *The Design Journal* 2(2): 20-31. ISSN 1460-6925

Academic journal (guest) editorships

1. **McDonagh D** and Thomas J. (eds.)(2011) Special Edition, "Design and Empathy" of the *Design Journal: An International Refereed Journal for All Aspects of Design* (Oxford: Berg). Spring.
2. **McDonagh D**, Denton H and Chapman J. (eds.)(2009) Special Edition, "Design and Emotion" of the *Journal of Engineering Design* (London: Taylor & Francis). 20(5): 433-435 (October).
3. Hekkert P and **McDonagh D** (eds.)(2003) Special Edition, "Design and Emotion." *The Design Journal An International Refereed Journal for All Aspects of Design*, 5(4) Spring/Summer.

Doctoral Thesis

1. **McDonagh D** (2006) "Empathic Design: Emerging Design Research Methodologies." Ph.D. dissertation, Department of Design and Technology, Loughborough University (UK).

External Examiner

1. External Examiner for PhD candidate Lo Pui Ying at the Hong Kong Polytechnic University. April 2010. "Affective Design of Hotel Stay Experiences for Female Business Travelers." Invited by Professor/Dr Lorraine Justice, Director of the Design School.
2. External Examiner for the Product Design Course at Liverpool John Moores University. 2003-2005.

Books

1. **McDonagh D** (ed.)(2011) *Authentic Human Behaviour*. School of Art + Design. ISBN tbc (Blurb self publish)
2. **McDonagh D** (ed.)(2010) *Disability + Relevant Design: We Are Able*. School of Art + Design. ISBN 9781427619617(Blurb self publish)
3. Hatch P and **McDonagh D** (2008)(Chinese language) 认识到: 设计意味商业。芝加哥: 国的工业设计社团。

4. **McDonagh D** (ed.)(2008) *211: Design History in the Making* (Vol 2). ASIN: B002AD1C0C (Lulu self publish)
5. **McDonagh D** (ed.)(2007) *211: Design History in the Making*. ASIN B002AD124S (Lulu self publish)
6. Hatch P and **McDonagh D** (eds.)(2006) *REALIZE: Design means Business*. Chicago: IDSA. ISBN 1427606080
7. **McDonagh D** (ed.)(2005) *IMPACT: Synergy of Design, Technology and Business* (IDSA), Champaign: Printec. ISBN 0-9752741-3-9
8. Langford J and **McDonagh D** (eds.)(2003) *Focus groups: supporting effective product development*. London: Taylor and Francis. 226 pp ISBN 0415262089
9. **McDonagh D**, Hekkert P, van Erp J and Gyi D (eds.)(2003) *Design and emotion: the experience of everyday things*. London: Taylor and Francis. 456 pp. ISBN 041530363X

Book chapters

1. **McDonagh D** and Formosa D. (2010) "Designing for everyone, one person at a time." Kohlbacher F (ed.) and Herstatt C (ed.) *The Silver Market Phenomenon: Business Opportunities in an Era of Demographic Change*. Berlin: Springer Verlag, pp. 91-100. DOI 10.1007/978-3-642-14338-0_7
2. **McDonagh D**, Thomas J, Khuri L, Sears S and Peña-Mora F (2010) "Empathic Design Research Strategy: People with Disabilities Designing For All". In Silva A and Simoes R (eds.) *Handbook of Research on Trends in Product Design and Development: Technological & Organizational Perspectives*. Hershey, PA: IGI Global. pp. 58-79. ISBN 9781615206179
3. Vostral S and **McDonagh D** (2010) "A Feminist Inventor's Studio," in *Feminist Technology*, edited by Layne L, Vostral S and Boyer K. Champaign, Illinois: University of Illinois Press, pp. 197-202. ISBN 0252077202
4. Grosser B and **McDonagh D** (2005) Relevant Design: Enhancing Quality of Life through the fusion of Art, Science and Technology. In **McDonagh D** (ed.) *IMPACT: Synergy of Design, Technology and Business* (IDSA), Champaign: Printec pp. 50-53 ISBN 0-9752741-3-9
5. Lopez R and **McDonagh D** (2005) Creativity Workshop: When is a Chair more than a Chair? In **McDonagh D** (ed.) *IMPACT: Synergy of Design, Technology and Business* (IDSA), Champaign: Printec: 54-57 ISBN 0-9752741-3-9
6. **McDonagh D** and Fekete A (2005) In **McDonagh D** (ed.) *IMPACT: Synergy of Design, Technology and Business* (IDSA), Champaign: Printec: 58-61 ISBN 0-9752741-3-9
7. Watson B and **McDonagh D** (2005) Lost in Translation. In **McDonagh D** (ed.) *IMPACT: Synergy of Design, Technology and Business* (IDSA), Champaign: Printec: 106-109 ISBN 0-9752741-3-9
8. Langford J and **McDonagh D** (2003) Introduction. In Langford J and **McDonagh D** (eds.) *Focus groups: supporting effective product development*. London: Taylor and Francis: 1-18. ISBN 0415262089
9. **McDonagh D** and Bruseberg A (2003) Focus groups in new product development: designers' perspective. In Langford J and **McDonagh D** (eds.) *Focus groups: supporting effective product development*. London: Taylor and Francis: 63-72. ISBN 0415262089
10. Bruseberg A and **McDonagh D** (2003) Organising and conducting a focus group: the logistics. In Langford J and **McDonagh D** (eds.) *Focus groups: supporting effective product development*. London: Taylor and Francis: 21-50. ISBN 0415262089
11. Langford J and **McDonagh D** (2003) Focus group tools. In Langford J and **McDonagh D** (eds.) *Focus groups: supporting effective product development*. London: Taylor and Francis, pp 173-224. ISBN 0415262089

Refereed conference papers

1. (*Submitted and Pending*) Shin C, Benson E and **McDonagh D** (2011) "Emotional Ecomodernism: Is Using Bamboo Really Enough?" *Design Education for Creativity and Business Innovation, The 13th International Conference on Engineering and Product Design Education*, City University London, UK, 8-9 Sept.
2. (*Submitted and Pending*) Shin C, Benson E and **McDonagh D** (2011) "Emotional Sustainability / Beyond Bamboo or Emotional Sustainability: Avoiding the Disposable." The 10th International Conference on Naturalistic Decision Making (NDM-2011), Orlando, Florida, 31st May-3rd June.
3. (*Submitted and Pending*) Youngquist A, **McDonagh D** and Thomas J (2011) "De-stigmatizing Products: Transforming Public Perception through Innovative Design." *The 7th International European Academy of Design Conference*, Oporto, Portugal (May).
4. (*Submitted and Pending*) Elwell M and **McDonagh D** (2011) "Seeing the World through an Infant's Eyes: How Empathic Design Research Strategies Can Shape the Future of Crib Design." *The 7th International European Academy of Design Conference*, Oporto, Portugal (4-7 May).
5. Elwell M and **McDonagh D** (2011) "Designing for the Most Vulnerable: Reducing Sudden Infant Death Syndrome and Positional Asphyxia." *The 5th International Conference on Design Principles and Practices*, Rome, Italy (Feb).
6. Strickfaden M, **McDonagh D** and Thomas J (2011) "Designers intervening: A call for symmetry in people-centred design." The 5th International Conference on Design Principles and Practices, Rome, Italy (Feb).
7. **McDonagh D** and Thomas J "Walking Blind: Developing Awareness of Visual Impairment to Support Empathic Design Research Strategies." *International Design and Emotion Conference*, Chicago, October 2010.
8. Yamani Y, McCarley J S, **McDonagh D** (2010) "Transgenerational communication through affective imagery in mood boards." *Human Factors and Ergonomics Society 54th Annual Meeting*, San Francisco, USA: 1762-1765.
9. McCartan S and **McDonagh D** (2010) *Conference and Debate*, organized by the University of Hertfordshire. At the Royal Institute of British Architects, 18th June 2010. London.
10. **McDonagh D**, Thomas J and Strickfaden M (2010) "Design and Empathy: Integrating the marginalized voice into the designing process." *4th International Conference on Design Principles and Practices*, Chicago, Illinois, 13-15 Feb.

11. **McDonagh D** and Vostral S (2010) "Missed Opportunities: Integrating Feminist Approaches into the Design Process." *The 4th International Conference on Design Principles and Practices*, Chicago, Illinois, 13-15 Feb.
12. Lobos A and **McDonagh D** (2010) "Meaning of design awards and their influence in design business and education." *The 4th International Conference on Design Principles and Practices*, Chicago, Illinois, 13-15 Feb.
13. (Invited) **McDonagh D** (2009) "Empathic Design Research: Disability + Relevant Design." Proceedings of the *Third International Conference of Mechanical Engineer & Mechanics 2009* in Beijing, China (21-23 Oct), Batra R C, Qian L F, He Y, Li X N, Zhou KD, Dresig H, Morita Y and Cheung E (eds.), 2: 2018-2022. Beijing, China: Science Press.
14. Thomas J and **McDonagh D** (2009) "People with Disabilities Designing for the Mainstream User: Empathic Design Research." *Industrial Design Society of America International Conference*, Miami, Florida, 23-26 Sept.
15. Heft Sears S, **McDonagh D** and Khuri L (2009) "Disability + Relevant Design: An Interdisciplinary Collaboration in Between Students with and without Disabilities." *The 32nd Annual Association on Higher Education and Disability (AHEAD) Conference*, Louisville, Kentucky, 20-24 July.
16. **McDonagh D**, Thomas J, Chen S, He J, Hong Y S, Kim Y, Zhang Z and Pena-Mora F (2009) "Empathic Design Research: Disability + Relevant Research." *Design Connexity: The 8th European Academy of Design International Conference*, The Robert Gordon University, Aberdeen, Scotland, 1-3 April: 310-315.
17. Malins J and **McDonagh D** (2008) "A Grand Day Out: Empathic Approaches to Design." *International Conference on Engineering and Product Design Education*, Universitat Politecnica de Catalunya, Barcelona, Spain: 105-109.
18. Denton H and **McDonagh D** (2006) "Love it or hate it: developing a tool to assist designers' awareness of user experiences." In Karlsson M A Desmet P and van Erp J (eds.). *5th Design and Emotion Society Conference*, the Department of Product and Production Development, Chalmers University of Technology, Gothenburg, Sweden.
19. **McDonagh D** and Fekete A (2006) "Unheard voices of wider community: Community Based Learning course experience." *IDSA National Conference and Education Symposium*, Austin, Texas, 17-20 Sept.
20. Weightman D and **McDonagh D** (2006) "The new landscape of design: cool hunting and other opportunities." *IDSA National Conference and Education Symposium*, Austin, Texas, 27-29 Sept.
21. **McDonagh D** and Grosser B (2006) "The Fusion of Design and Technology to Improve Quality of Life through Universal Design." *Second International Conference for Universal Design*, Kyoto, Japan, 22-26 Oct.
22. **McDonagh D** and Denton H (2006) "Universal Design: Emerging Empathic Design Research Approaches." *Second International Conference for Universal Design*, Kyoto, Japan, 22-26 Oct.
23. **McDonagh D**, Formosa D, Fulton Suri J and Weightman D (2005) "Product Design: Impact on the Ageing Individual." *The 1st World Ageing and Generations Congress* (October), St Gallen, Switzerland.
24. **McDonagh D** and Campbell L (2005) "Research methodology in graduate industrial design education curricula." *The 4th Symposium Doctoral Education in Design conference* (June). College of Architecture & Environmental Design, Arizona State University: 255-265. ISBN 1 884320 27 9.
25. **McDonagh D** and Fekete A (2005) "Hearing the unheard voices of the wider community: Community based learning." In the proceedings of **McDonagh D** (ed.) *IDSA Midwest District Conference, IMPACT: Synergy of Design, Technology and Business* (April), Champaign, Illinois, USA. ISBN 0-9752741-3-9
26. Erbug C, Attema J, Vermeeran A, Maguire M, Berkman A and **McDonagh D** (2005) "Usability Testing: A Collaborative Approach." *Human Computer Interaction International Conference 2005*, 22-27 July, Nevada, USA.
27. **McDonagh D** and Formosa D (2005) "To be honest, I wasn't that comfortable anyway..." *The 6th International Conference of the European Academy of Design* (March 29-31), University of the Arts, Bremen, Germany.
28. **McDonagh D** and Weightman D (2004) "Industrial Design Education: British Perspective." *IDSA*. Cullen C (ed.) National Education Conference (24-26 Oct) at the Art Center College of Design in Pasadena, California: 157-163.
29. Weightman D and **McDonagh D** (2004) "Supra-functional factors in sustainable products." *The Third International Conference on Design and Manufacture for Sustainable Development*, (Sept) Loughborough University, UK: 91-101. ISBN 1-86058-470-5
30. Watson B and **McDonagh D** (2004) "Design and Emotion: Supra-functionality for Engineers." *The 4th Design and Emotion International Conference* (July), Ankara, Turkey.
31. Mason J and **McDonagh D** (2004) "User-centred design can support effective product development: Do users help or hinder the designing process?" *The 4th Design and Emotion International Conference* (July), Ankara, Turkey.
32. **McDonagh D**, Reid A and Torrens G (2003) "Satisfying the *real* needs of the individual: Living and thriving with urinary continence. Incontinence: the Engineering Challenge." Seminar organised by the *Medical Engineering Division*. 29-30 Oct. ImechE, London.
33. Weightman D and **McDonagh D** (2003) "People are Doing it for Themselves." In the *Proceedings of the International Conference on Designing Pleasurable Products and Interfaces*, Forlizzi, J, Hanington, B and Ayoob, E (eds.), ACM Press, Pittsburgh, Pennsylvania, USA, pp 34-39. ISBN 1-58113-652
34. **McDonagh D** and Weightman D (2003) "If kettles are from Venus, and televisions are from Mars, where are cars from?" *5th European Academy of Design conference*, Barcelona, Spain (April), p 151. <http://www.ub.edu/5ead/princip5.htm>.
35. Storer I, **McDonagh D** and Denton H (2003) "A pain in the rear: an analysis of new undergraduates understanding and awareness of the role of ergonomics in the design process." In McCabe P T (ed.) *Ergonomic Society 2003 Annual Conference* (April), Cambridge: 437-442. London: Taylor and Francis. ISBN 0415309948

36. Weightman D and **McDonagh D** (2002) "In the future, design will be just for you." *The International Conference for Universal Design in Japan 2002* (Conference committee)(Nov 30 - Dec 4) Yokohama, Japan. (CD Rom): 377-385.
37. Woodcock A, Torrens G E, and **McDonagh D** (2002) "Packaging for all: does it help or hinder the elderly user?" *The International Conference for Universal Design in Japan 2002* (Conference committee)(Nov 30-Dec 4) Yokohama, Japan. (CD Rom): 597-605.
38. Denton H, **McDonagh D** (2002) "Learning from each other: a company and undergraduate designers work together in the process of initial idea generation." Pavlova M and Gurevich M (eds.) *1st Biennial International Conference on Technology Education*, Nizhny Novgorod, Russia, 10-13 July 2002, Russia: NIRO. pp. 66-78. ISBN 5 7565 0043 X
39. Denton H G, **McDonagh D**, Baker S and Wormald P (2002) "Introducing the student designer to the role of emotion in design." In **McDonagh D**, Hekkert P, van Erp J and Gyi D (2002) (eds.) *Design and Emotion (Episode III: The Experience of Everyday Things)* 3rd Design and Emotion 2002 Conference, Loughborough, 1-3 July: 404-408. London: Taylor and Francis. ISBN 0 15 0363 X
40. Woodcock A, **McDonagh D** and Torrens G E (2002) "Emotional response to food packaging." In **McDonagh D**, Hekkert P, van Erp and J Gyi D (2002)(eds.) *Design and Emotion (Episode III: The Experience of Everyday Things)* 3rd Design and Emotion 2002 Conference, Loughborough, July: 301-305. London: Taylor and Francis. ISBN 015 0363 X
41. Bruseberg A, **McDonagh D** and Wormald P (2002) "The use of images to elicit user needs for the design of playground equipment." In **McDonagh D**, Hekkert P, van Erp and Gyi D J (2002)(eds.) *Design and Emotion (Episode III: The Experience of Everyday Things)* 3rd Design and Emotion Conference, Loughborough, July: 113-117. London: Taylor and Francis. ISBN 0 15 0363 X
42. **McDonagh D**, Rutherford S and Solomonides I (2002) "Are the best designers from earth, Mars or Venus? An analysis of gender differences." In McCabe P T, Hanson M A and Robertson S A (eds.) *Ergonomic Society 2002 Annual Conference*, Cambridge. London: Taylor & Francis. 3-5 April: 502-506. ISBN 0 415 27734 5
43. Bruseberg A and **McDonagh D** (2002) "Product handling and visual evaluation to support new product development." In McCabe P T, Hanson M A and Robertson S A (Eds.) in the Proceedings of *the Ergonomic Society 2002 Annual Conference*, Cambridge. London: Taylor and Francis. April: 303-308. ISBN 0 415 27734 5
44. Storer I and **McDonagh D** (2002) "Embracing user-centred design: the *Real* experience." In McCabe P T, Hanson M A and Robertson S A (Eds.) In the Proceedings of *the Ergonomic Society 2002 Annual Conference*, Cambridge. London: Taylor and Francis. April: 309-313. ISBN 0 415 27734 5
45. Langford J and **McDonagh D** (2002) "What can focus groups offer us?" In McCabe P T, Hanson M A and Robertson S A (Eds.) in the Proceedings of *the Ergonomic Society Annual Conference*, Cambridge. London: Taylor & Francis. April: 502-506. ISBN 0 415 27734 5
46. Wormald P and **McDonagh-Philp D** (2000)"Design competitions at undergraduate level: are there benefits to be gained?" *International Conference on Design Education*, Curtin University of Technology, Perth, Western Australia. Dec: 407-414. ISBN 1 740670280
47. Baker S, Wormald P, **McDonagh-Philp D** and Denton H (2000) "Sthira, sukha: introducing industrial design undergraduates to softer design issues." *International Conference on Design Education*, Curtin University of Technology, Perth, Australia. Dec: 94-102. ISBN 1 740670280
48. **McDonagh-Philp D** (2000)"Undergraduate design research: a case study." In Scrivener S, Ball and Woodcock A (eds.) *Collaborative Design*. London: Springer-Verlag. In the Proceedings of *the International Conference of the Design Research Society with the Design Education Association*, UK, 11-13 Sept: 493-500. ISBN 1 85233 3413
49. Lebbon C and **McDonagh-Philp D** (2000)"Exploring the emotional relationship between the user and products." In Ostroff E (ed.) *Designing for the 21st Century II: An International Conference on Universal Design*, June 14-18, Providence, Rhode Island, USA. Boston, USA: Adaptive Environments Center. (<http://www.adaptenv.org/21century/proceedings4.asp#6C2>)
50. **McDonagh-Philp D** and Denton H (2000) "User-centred design: developing the student designer's empathic horizons." In Kimbell R (ed.) *Design and Technology International Millennium Conference 2000*. Institute of Education, London: The Design and Technology Association. April: 111-115. ISBN 1 898788 48 0
51. **McDonagh-Philp D** and G E Torrens (2000) "What do British soldiers want from their gloves?" In McCabe P T, Hanson M A and Robertson S A (eds.) in the Proceedings of *the Ergonomic Society 2000 Annual Conference*. Taylor and Francis: London. April: 349-353. ISBN 0-7484-0958-0
52. **McDonagh-Philp D**, Lebbon C and Torrens G E (1999) "An evidence based design method within a user-centred approach." In the Proceedings of *the 4th Asian Design Conference International Symposium on Design Science*, Japan, October. Program committee of the 4th Asian Design Conference: Japan. (CD Rom) ISBN 4-9980 776-0-0
53. **McDonagh-Philp D** (1999) "User evaluation techniques applied to small domestic appliances: a pilot study." Lindemann U, Birkhofer H, Meerkamm H and Vajna S (eds.)(1999). *International Conference of Engineering Design*, (Volume 3) Munich, August. Technische Universitat Munchen: Garching, Germany. ISBN 3-922979-53-X
54. **McDonagh-Philp D** (1998) "Gender and design: towards an appropriate research methodology." In the Proceedings of *the 5th Product Design Education Conference*, Glamorgan University, July.
55. **McDonagh-Philp D** and Rudge G (1997) "Does a barrier exist between product design and engineering undergraduates?" Morris R (ed.) *The 4th Product Design Education Conference*, Brunel, July.
56. **McDonagh-Philp D** and Thompson J (1997) "The effectiveness of user-centred design: within the design process." Morris R (ed.) *The 4th Product Design Education Conference*, Brunel, July.

Refereed conference posters

1. Elwell M and **McDonagh D** (2010) "Designing for the Most Vulnerable: Reducing Sudden Unexpected Infant Death." *Imaging Without Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
2. Youngquist A, **McDonagh D** and Thomas J (2010) "De-stigmatizing products: Transforming public opinions using innovative design." *Imaging with Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
3. Gutsch A and **McDonagh D** (2010) "Making Sense of the Meaning of Color." *Imaging with Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
4. Suh E, Liang Z, Mak M K and **McDonagh D** (2010) "The Office of the Future impacted by demographic change." *Imaging with Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
5. Chen Q, Reeder K, Hubler A and **McDonagh D** (2010) "Encouraging Educational Engagement Through Interface Design: Mathematical Software for Middle Schools in China." *Imaging Without Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
6. Son M and **McDonagh D** (2010) "Reducing Theft and Vandalism in Bicycle Sharing Program." *Imaging Without Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
7. Yang S and **McDonagh D** (2010) "Mobile Assistant Device: Design for China's Internal Immigrant Workers." *Imaging Without Boundaries congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
8. **McDonagh D**, Dickson S, Schneider S and Hedrick B (2009) "Tactile Mathematics Research Group: Creating mathematical educational tools for children who are visually impaired to facilitate their interest in mathematics and science." *Imaging @ Illinois congress*, Beckman Institute of Advanced Science and Technology, University of Illinois.
9. Hassan H, Denton H and **McDonagh D** (2003) "Open wide: Designing a research strategy to explore patients' anxiety relating to dentistry tools." *Include 2003*, Coleman, R. and Macdonald, A. (eds.), Helen Hamlyn Research Centre and RCA, London, Inclusive Design for Society and Business, RCA, London: 530-537. ISBN 1 874 175 94 2
10. **McDonagh D** and Torrens G E and Reid A (2003) "Quality of life: Dealing with urinary continence." *17th Annual Conference of European Health Psychology Society (Gender, Culture and Health)*, Greece (September) p102.
11. **McDonagh-Philp D** and Bruseberg A (2000) "The use of focus groups in design research: a critique". In Scrivener S A R, Ball L J and Woodcock A (eds.) *CoDesigning 2000 Adjunct Proceedings*. Coventry University, UK, 11-13 Sept: 47-52. ISBN 0 905949 93 5
12. Bruseberg A and **McDonagh-Philp D** (2000) "User-centred design research methods: the designer's perspective." In Childs P R N and Brodhurst E (eds.) *Integrating Design Education Beyond Conference*, University of Sussex, Sept 4-6: 179-184. ISBN 1 86058 265 6
13. Torrens G, Bruseberg A and **McDonagh-Philp D** (2000) "Reducing the risk: a partnership between academia and a small to medium enterprise." In Childs P R N and Brodhurst E (eds.) *Integrating Design Education Beyond 2000 Conference*, University of Sussex, 4-6 Sept: 193-198. ISBN 1 86058 265 6
14. Denton H and **McDonagh-Philp D** (1999) "The potential of focus group methodology: should this be taught in design at undergraduate level?" Juster N P *Engineering Design Education Conference 1999: The Continuum of Design Education*, Glasgow 7-8 Sept: 279-283. ISBN-1-86058-208-7

Invited book reviews for publishers

1. Sun H (2009) *Cross-Cultural Technology design: Crafting Meaningful Technologies with Clues*. Oxford: Oxford University Press.
2. Chapman J (2003) *Design for Empathy: Emotionally Durable Objects and Experiences*. London: Earthscan.
3. McNeil P (2003) *Research Methods*. London: Routledge.

Academic book reviews

1. **McDonagh D** (2009) Galanakis, M, *Space Unjust: Socio-Spatial Discrimination in Urban Public Space. Cases from Helsinki and Athens*. (Finland: University of Art and Design Helsinki UIAH), *The Design Journal*, 12 (2): 60-61.
2. **McDonagh D** (2005) Book review of Govers P C M (2004) *Product Personality*. Rotterdam: Commissioned by the author. *The Design Journal* 8 (2): 60-61.
3. **McDonagh D** (2005) Book review of Koskinen I, Battarbee K and Mattelmaki T (eds.)(2003) *Empathic Horizon: User Experience in Product Design*. Finland: IT Press. In *The Design Journal*, 7 (3): 53-54.
4. **McDonagh D** (2004) Book review of Laurel B (2003) *Design Research: Methods and Perspectives*. Cambridge, MA: Massachusetts Institute of Technology. In *The Design Journal*, 7 (1): 55-56.

Invited talks

1. (Planned) **McDonagh D** (2011) "Product Meaning" TED x UIUC talk, College of Business, University of Illinois (February).
2. (Planned) **McDonagh D** (2011) "Office of the Future" Special Session: Markets & Work (Product Development & Design) at the 7th World Ageing & Generations Congress (World Demographic Association), St Gallen, Switzerland (August).
3. (Planned) **McDonagh D** and McCartan S (2011) Conference presentation and student workshop, Nanjing University of Science and Technology (August).
4. **McDonagh D** and Shin C (2010) "101 Industrial Design: The Importance of Design for Young Companies." Enterprise Works, Research Park, Champaign (November).
5. **McDonagh D** (2010) "Shifts in Industrial Design." Coventry School of Art and Design, Coventry University, Coventry, UK (Sept).

6. **McDonagh D** (2010) "Do it until it hurts! Using Empathy to Enhance Product Design Outcomes" Special Session: Markets & Work (Product Development & Design) at the 6th World Ageing & Generations Congress (World Demographic Association), St Gallen, Switzerland (August).
7. **McDonagh D** (2010) "Supra-Functionality: Supporting More Effective Product Development." Japan Society for Science Policy and Research Management, Tokyo Institute of Technology (19 May 2010).
8. **McDonagh D** (2009) "Using blended methods of research to support more intuitive design outcomes" at the School of Media and Design, Shanghai Jiao Tong University, Shanghai, China (27th October).
9. **McDonagh D** (2009) "Empathic Design Research: Disability + Relevant Design" at the Nanjing University of Science and Technology, China (24-27 October).
10. **McDonagh D** (2009) "Empathic Design," at the Innovation, Design, Education Conference 2009 in Nanjing, China (25-26 October).
11. **McDonagh D** (2009) "Imaging in Society and the Arts," invited presentation by Dr Stephen Boppart, for the Imaging at Illinois Workshop, Beckman Institute of Advanced Science and Technology (14 May).
12. **McDonagh D** (2009) "Bringing the Marginalised Voice into the Designing Process", at the Academy for Entrepreneurial Leadership Faculty Fellows Conference (May).
13. **McDonagh D** (2008) "Supra-functionality: Beyond the Functional." The Silver Market Phenomenon: Business Opportunities and Responsibilities in an Era of Demographic Change Conference. Tokyo (2-4 October).
14. **McDonagh D** (2008) Special Session (Product Design: The Aging Consumer) at the World Demographic Association, the Fourth Generational Congress, St Gallen, Switzerland (28-30 August).
15. **McDonagh D** (2008) "Shamelessly Embracing Subjectivity: Empathic Design Research." INTEL, Oregon (May).
16. **McDonagh D** (2008) "Empathic Design Research: Do it until it hurts." Second International Conference on Design Principles and Practice. Miami, USA (9-12 January).
17. **McDonagh D** (2007) "Design, Emotion and Empathy." International Usability Symposium, Kuopio Design Academy, Finland (Nov).
18. **McDonagh D** (2007) "The Material Landscape." 7th International Congress of Ergonomics and Usability of Human-Technology Interfaces: Products, Information, Built Environment, Transposition - 7th ERGODESIGN University of Vale do Itajaí - UNIVALI, Balneário Camboriú, at Santa Catarina State, Brazil (10-11 July).
19. **McDonagh D** (2007) "Making Sense of the Material Landscape." 10 Minutes on Design. Six-Cities Design Festival. Aberdeen, Scotland (May).
20. **McDonagh D** (2007) "Design, Empathy and Emotion". HCI, Carnegie Mellon University, Pittsburgh. March.
21. **McDonagh D** (2006) "Universal Design." Industrial Design Program, Kyoto Institute of Technology, Kyoto, Japan.
22. Chaired Special Session (Product Design) at the **VIVA 50plus**(2005). The Swiss Association for the Analysis of Demographic and Inter-Generational Issues –"World Ageing and Generations Congress," St. Gallen, Switzerland (Oct).
23. **McDonagh D** (2003) "Supra-functionality." UK Usability Professionals' Association (promoting usability concepts and techniques worldwide). Microsoft, London, October. Chaired by Martin Maguire.
24. **McDonagh D** and Lebbon C (2003) Workshop "*Pleasurable Zone: exploring day-to-day living.*" (on behalf of the Design Research Society) International Council of Societies of Industrial Design. Hanover, Germany. Sept.
25. **McDonagh D** (2003) "Research for Designers." At the Ceramics Industry Forum, Staffordshire, UK. July.
26. **McDonagh D** (2003) "Eliciting users needs beyond the functional." Chaired by Cigdem Erbug (Middle East Technical University). Ankara, Turkey. July.
27. **McDonagh D** (2003) "Internationalisation of industrial design." At the Symposium on developing an Industrial Design curriculum, University of Idaho, USA. Chaired by Joe Zeller (University of Idaho, USA). Feb.
28. **McDonagh D** (2002) "Less lip service: more lip stick." At the second Untold discussion event. *Does Gender Impact on Creativity?* Institute for Contemporary Arts, London. Chaired by Jane Austin (Recollective, UK), Oct.

Journal Reviewer

1. Journal of Marine Design (since 2010)(editorial committee)
2. Studies in material thinking (web based)(since 2009)(editorial advisor)
3. Journal of Engineering Manufacture (since 2009)
4. Associate Editor of the Design Principles and Practices: An International Journal (since 2009)
5. Journal of Visual Communication (since 2008)
6. Journal of Engineering Design (since 2007)
7. International Journal of Education & the Arts (since 2006)
8. Engineering and Physical Sciences Research Council (UK)(since 2002)
9. Applied Ergonomics: Human Factors in Technology and Society (since 2001)
10. The Design Journal (since 2000)(editorial committee)

Review Panels

1. Member of the International Review Committee (2010) for the Ninth International Conference of the European Academy of Design, *Endless End*, Porto, Portugal, May 2011.

2. Member of the International Review Committee (2009) for the Eighth International Conference European Academy of Design, *Connexity*, Robert Gordon University, Aberdeen, Scotland, UK, 1-3 April, 2009.
3. Co-chaired the *IMPACT: The Synergy of Design, Business and Technology Conference* in conjunction with IDSA Mid-West Chapter at the School of Art + Design (UIUC), 7-9 April 2005.
4. Member of the International Review Committee for the Design Research Society 'Future Ground' International Conference 2004, Monash University, Australia, 17-21 November 2004
5. Member of the International Review Committee for the *Fourth International Conference on Design and Emotion* 2004, Middle East Technical University, Ankara, Turkey, 12-16 July 2004
6. Member of the International Review Committee for the conference 'Designing Pleasurable Products and Interfaces', Carnegie Mellon University, Pittsburgh, 23-26 June 2003.
7. Chair of the 3rd Design and Emotion Conference. Loughborough, UK. 1-3 July 2002.
8. Organising Committee Member (2002) Design Research Society Common Ground Conference. Brunel (UK).

Teaching

ARTF 105 Design: *Introducing Design Principles and Practice to Freshman (n=90)*

ARTD 199 Undergraduate Open Seminar: *Introduction to Design (Campus Honors Program)(n=20)*

ARTD 202 Industrial Design I: *Human-Centred Design, Preliminary Design Skills, Model Making, Secondary Research (n=40)*

ARTD 202 Industrial Design II: *Human-Centred Design, Preliminary Design Skills, Model Making, Primary Research (n=40)*

ARTD 211 Design History Survey: *Researching into Designers resulting in book chapter (n=80)*

ARTD 299 Disability + Relevant Design (Special Topics in Design): *Human-Centred Design, Design with People with Disabilities (n=30)*

ARTD 302 Industrial Design II: *Human-Centred Design, Intermediary Design Skills, Model Making, Rapid Prototyping, Research (n=35)*

ARTD 391 Special Problems in Design: *Hearing the Unheard Voices – Community Based Learning (20)*

ARTD 499 Feminist Inventors' Studio: *Designing Feminist Technology (n=25)*

ARTD 599 Industrial Design Thesis: *Communicating Research and Design Process (n=10)*

Teaching Philosophy: Designing Process that integrates Empathic Human Centred Design

Our role as educators has shifted, from one of decanting knowledge (old model) to one of co-generating knowledge (experiential learning)(new model) with students. Places empathy at the heart of Human Centred Design supports more intuitive design outcomes that remain relevant and thus lengthening the perceived usefulness.

As a culture we need products to satisfy needs beyond the functional (utilitarian), *supra-functional* needs (e.g. emotional, aspirational and cultural) require a shift in how we perceive users and ultimately how we design for them. Products not only need to be sustainable, they need to be *emotionally* sustainable.

As an educator I feel students need to be grounded and equipped with critical thinking and problem-solving abilities, while possesses key design skills. In addition, they need to be mindful of their own personal *empathic horizon* so that they can become more effective designers, problem solvers and team members. This approach has proved valuable across campus in both the Colleges of Business and Engineering, where I collaborate and contribute to courses outside my discipline.

External Teaching

1. Working with Dr Sean McCartan on the Internationalisation Boat Design: Luxury with Nanjing University of Science and Technology (China), Coventry University (UK) and the University of Illinois at Urbana-Champaign (USA). A pilot 10-week course utilizing Virtual Learning Environment (VLE) technology (Wimba) for NUST Industrial Design students. Summer 2010 + Spring 2011.
2. College of Engineering, The Illinois Engineering Freshman Experience, provided faculty support for student group, Fall 2010.
3. College of Business BADM 505/590 Dr Madhu Viswanathan's course *Sustainable Product and Market Development for Subsistence Marketplaces*. Co-taught with Dr John Clarke "Empathic Design Research Strategies". Contributed to course since 2008.

Thesis Supervision (Director of Research)

1. Michael Elwell (2011) *Designing for the most vulnerable: Reducing Sudden Infant Death*. MFA. University of Illinois.
2. Anne Youngquist (2011) *De-stigmatizing Assistive Technology products*. MFA. University of Illinois.
3. (Todd) Teng Cao (2010) *Designing an Assistive Technology for a Trans-generational Population: The Product Development Process*. MFA, University of Illinois.
4. Yusuke Yamani (2009) *Trans-generational Learning: Communication through visual stimuli* project jointly with Dr Jason McCarley (Psychology/Aviation and Human Factors), (Masters in Science), University of Illinois.
5. (June) Juanjuan He (2009) *Heightened Sensitivity To The Material Landscape Of Chinese Women Living In America*. MFA. University of Illinois.
6. Yunjin Kim (2009) *Physical user interface design of kitchen electronics considering low vision and aging*. MFA. University of Illinois.
7. Joyce Thomas (2009) *Empowering Creativity: Designing For, With and By people with disabilities*. MFA. University of Illinois
8. Siying Chen (2008) *Disability and Relevant Design*. MFA. University of Illinois.
9. Donna Murray Tiedge (2007) *Creativity*. MFA. University of Illinois.

10. Noah Norton (2006) *Encouraging sustainable living through contemporary object design*. MFA. University of Illinois.

11. Joseph Grasso (2005) *Easing the wait: Anxiety reduction in the emergency department waiting room*. MFA. University of Illinois

Thesis Supervision (Member of Committee)

1. Yong Seok Hong (2010) 3D GUI and CI for purchase in interactive broadcasting circumstances. MFA. University of Illinois.

2. (Eric) Zhongren Zhang (2009) *Small Electric Car With Modular System For The Under-30 Market*. MFA. University of Illinois.

Exhibitions Curated

1. "Disability + Relevant Design," Illini Student Union Art Gallery, UIUC, Champaign, April 2008. **McDonagh D**, Khuri L and Heft Sears S jointly curated this student exhibition that displayed the work between the DRES registered students and the Industrial Design students, with 150 attendees for the opening reception.

2. "Designing Everyday Experiences," Krannert Art Museum, UIUC, Champaign, April 2006. **McDonagh D** and Rimmer H (visiting scholar) organized an exhibition that displayed both Graphic Design and Industrial Design alumni work that coincided with a special symposium (organized by **McDonagh D**) that celebrated the work of Zagorski, Ed (emeritus Professor of Industrial Design) with 150 attendees.

3. "Design Excellence Collection," Krannert Art Museum, UIUC, Champaign, April-June 2005. This exhibition coincided with the Midwest Chapter of the Industrial Design Society of America Conference, with 450 attendees also organized by **McDonagh D**. This exhibition brought together a range of products that were personally sent from leading international designers (e.g. Karim Rashid, Ross Lovegrove, Martin Keen, Bill Stumpf).

4. "The Unheard Voices of the Wider Community," Civitas Art Gallery, UIUC, Urbana, April-May 2005. This was a collection of students work from the Community Based Learning course developed by **McDonagh D** and Fekete, A, which focused on students developing empathy towards marginalized groups in the community (e.g. immigrant workers, transsexuals, alcoholics).

Elements of the Human-Centered Designing Process (selected illustrations)



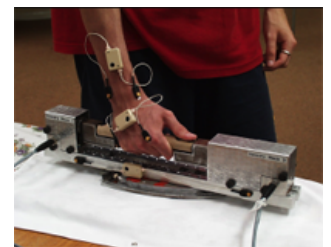
Understanding Users



Experience Immersion



Empathic Modeling



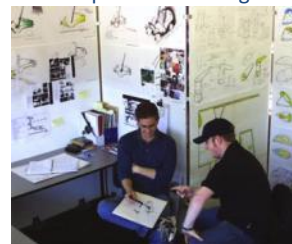
Functional Needs



Emotional Needs



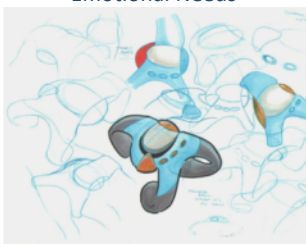
Action Research



Collaborative Brainstorming



User Needs Assessment



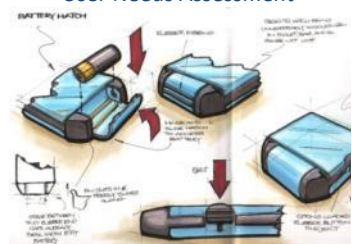
Concept Generation



Prototyping



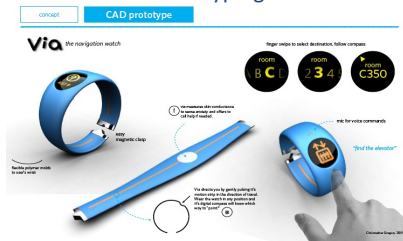
User Feedback



Technical Issues Resolved



Concept Refinement



Final Concept Refinement



Final Model



Formal Visual Communication