

## **John J. Marshall, Ph.D.**

Director, MDes Integrative Design  
Associate Professor (with tenure)  
Penny W. Stamps School of Art & Design  
Associate Professor (without tenure)  
Taubman College of Architecture + Urban Planning

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Penny W. Stamps School of Art & Design  
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USA

### **Curriculum Vitae**

Ph.D. Robert Gordon University, 2008.  
M.A. Manchester Metropolitan University, 1997.  
M.F.A. Ohio State University, 1996.  
B.A. (Hons) Glasgow School of Art, 1993.

### **Research Interests**

Communication between cross-disciplinary design teams; design methods; fabrication; problem-based learning; prototyping; tangible user interfaces; and systems thinking.

### **Teaching Interests**

3D design; computer-aided design; design methods; fabrication; integrated product development; prototyping; research methods; and systems thinking.

### **Professional Experience**

- Founder/Partner, r+d LAB, LLC, 2014-present.
- Co-director, rootoftwo, LLC, 1998-present.
- 3D Designer, Malcolm Cochran Studio, 2002-2007.
- Designer/Model Maker: Evenflo Company, Inc, 1999-2003.

### **Professional Activities**

- Advisory Board, Vayu: Aerial Solutions for Global Health, 2014.
- Art Papers Committee/Juror, ACM SIGGRAPH 2012.
- Programming Committee and Reviewer, First International Conference on Smart Design, Nottingham, UK, 2011.
- Scientific Committee and Reviewer, National Symposium on Technology and Society, Federal University of Technology, Curitiba, Brazil, 2011.
- Juried Art Gallery Reviewer, ACM SIGGRAPH 2011.
- Programming Committee and Reviewer, Create11, London, UK, 2011.

- Advisory Board and Reviewer, Making Visible the Invisible, University of Huddersfield, UK, 2011.
- Juried Art Gallery Reviewer and Juror, ACM SIGGRAPH 2009.
- International Referee, 8<sup>th</sup> European Academy of Design Conference, 2009.
- Advisory Board, The Senses of Place: Multimodal Representation of Urban Space, University of Strathclyde, UK, 2005-2008.

### **Awards**

- Taubman College of Architecture + Urban Planning Research on the City Faculty Research Grant Program: “Rules of the Road: Connecting Chicago to Underutilized Freeway Infrastructure Zones.” 2014.
- University of Michigan Office of the Vice President for Research Faculty Grants and Awards Program: “Whithervane – a new interactive public art installation for Folkestone Triennial.” 2013.
- R.D. Richards Memorial Faculty Award: for extraordinary teaching, creative enterprise and service. Penny W. Stamps School of Art & Design. 2011.
- Taubman College of Architecture + Urban Planning Research on the City Faculty Research Grant Program: “Re:Tool-Kit for Detroit.” 2011.
- Propeller Fund (Chicago): “Expose, Intervene, Occupy: Re-interpreting Public Space.” 2011.
- University of Michigan Office of the Vice President for Research: Funds for Research and Scholarship. “Variable, Adaptable, Reflexive and Responsive.” 2009.
- University of Michigan Office of the Provost: Seed Funding for Multidisciplinary Programs and Team-Taught Courses. “SmartSurfaces.” 2009.

### **Publications**

- Learning Outcomes from an Art-Engineering Co-curricular Course. Proceedings of the 120<sup>th</sup> Annual Conference of the American Society for Engineering Education. 2013.
- SmartSurfaces: a hands-on, multidisciplinary think-tank. Published in ‘Performative Practices: Architecture and Engineering in the 21<sup>st</sup> Century’, Moe, & Braham (eds). Washington, DC: ACSA Press. ISBN 978-0-935502-79-4. pp. 34-43. 2012.
- Undisciplinarity. Published in “Digital Blur: Stories from the Edge of Creative Design Practice”, Rodgers and Smyth (eds.) Libri Publishing. ISBN: 978-1907471018. pp.216-223. 2010.
- Perimeters, Boundaries and Borders. John Marshall (ed.) Fast-UK. ISBN: 978-0615213552. 2008.
- Ontologies of Production: 21<sup>st</sup> Century Transformations in Manufacturing. Published in “Product Scotland”, Rodgers (ed.) Napier University School of Creative Industries. ISBN: 978-0-9558468-0-9. pp.70-73. 2008.

- The post-disciplinary digital practitioner. Published in “Shaping the future?” Bohemia, Hilton, McMahon & Clarke (eds.) Hadleys Ltd. ISBN: 978-0-9553942-1-8. 2007.
- Computer Technologies and Transdisciplinary Discourse: Critical Drivers for Hybrid Design Practice? Published in CoDesign, Vol. 2, No. 2. (June 2006), pp. 109-122. Taylor and Francis. ISSN 1571-0882(2006)2:2; 1-5. 2006.
- VIBE Summer 05: Grabbing attention - the function of public video art. Published in the International Digital Media & Arts Association Journal, Vol. 2 No. 2. 2005.
- Perimeters, Boundaries and Borders: New Dimensions Of Design In The Convergent Fields Of Sculpture, Industrial Design and Architecture. Published in “Crossing Design Boundaries”, Rodgers, Brodhurst & Hepburn (eds.) Taylor & Francis. ISBN 0415391180. 2005.

### **Invited Lectures**

- “Whithervane: a neurotic early worrying system” – presentation at Sketching in Hardware 2013 at PARC (Palo Alto Research Center Inc). 2013.
- “The Tactical Appropriation of Space” – presentation at the Smithsonian’s National Museum of American History, hosted by the Lemelson Center for the Study of Invention and Innovation. 2013.
- “Cognition and Context: How Space Affects Learning and Creativity in the Undergraduate Setting” Supported by The Alfred P. Sloan Foundation. 2012.
- Presentation of recent work at Faculdade de Arquitetura e Urbanismo da Universidade de São Paulo, Brazil. 2010.
- Opening remarks at The Future of Technology Conference at University of Michigan’s Taubman College, Rackham Auditorium. 2010.
- “Tea House for Robots: Making an Interactive Environment” – invited presentation at Maker Faire Detroit, 2010 at the Henry Ford Museum. 2010.
- “Establishing New Digital Media Program(s) at The Glasgow School of Art: What would success look like?” – invited presentation at the Glasgow School of Art, Glasgow, UK. 2010.
- “The ampersand in parentheses.” Keynote presentation at Digital Design (&) Art Symposium, De Montfort University, Leicester, UK. 2009.
- Presentation of recent work at Kyoto City University of Arts, Kyoto, Japan. 2009.
- Invited participant at “Algorithms and Scripting for Visual Art” a National Science Foundation funded CPATH workshop, La Salle University, Philadelphia, Pennsylvania, USA. 2008.
- Presentation of recent work at International Ceramic Research Center, Guldagergaard, Skælskør, Denmark. 2007.
- Presentation of recent work at UK launch of Rhinoceros 4.0 - Metropolitan Works, London, UK. 2006.
- Invited participant at “Practices, Materiality and Product Design” Workshop, Durham University, UK. 2006.