

## CURRICULUM VITÆ abridged

Philip Beesley

### SUMMARY OF PROFESSIONAL HISTORY

Philip Beesley practices digital media art and experimental architecture in Toronto. His creative work has focused on 'field' oriented sculpture and landscape installations over the last two decades. He received a Bachelor of Fine Art from Queen's University in 1978 and received his professional degree in Architecture from the University of Toronto in 1986. He maintains a practice that combines sculpture with public buildings, exhibitory and stage design. Distinctions for his work include the Prix de Rome in Architecture (Canada), a Governor-General's award, an Allied Arts Medal from the RAIC, two Dora Mavor Moore Awards and three OAA Awards for Architectural Excellence. He frequently works within art collaboratives and was a founding member of the Kingston Artists Association, an ANNPAC parallel gallery. In parallel with his sculpture work he teaches architecture at the University of Waterloo School of Architecture in Cambridge, Ontario and is co-director of Waterloo's Integrated Centre for Manufacturing, Visualization and Design, a facility combining high-performance computing and automated manufacturing of architectural components.

### EDUCATION

2009 Max/MSP and Arduino Workshop  
2008 Rhino Scripting Workshop  
2006 Digital Project Workshop  
2005 Generative Components Workshop  
1996 Prix de Rome residency: Vatican Secret Archives, British School at Rome, American Academy at Rome  
1991 Ontario Association of Architects Syllabus  
1981–86 Bachelor of Architecture, University of Toronto  
1981 Dip. Tech., Architectural and Mechanical Drafting, Humber College, Toronto  
1980 Theological Studies, Wegiriya Monastery, Sri Lanka  
1973–78 Bachelor of Fine Art, Queen's University  
1973 Falmouth School of Art, Cornwall, UK

### SCULPTURE AND ENVIRONMENTS

2011 **Hylozoic Soil: Hylozoic Series 9**, immersive interactive environment for The Leonardo, Salt Lake City (currently under development)  
2011 **Sargasso, Toronto Luminato Festival**, Brookfield Place Galleria, June 2011 (currently under development)  
2011 **Hylozoic Series: Stoa**, immersive interactive installation for Lexus Hybrid Art, Moscow, May 2011 (currently under development)  
2011 **St. Exupery Field**, Galerie St. Exupery, Reims, France, Feb. 2011  
2010 **Aurora**, Scotiabank Nuit Blanche, Royal Conservatory of Music, Toronto, Oct. 2010  
2010 **Hylozoic Ground: Hylozoic Series 8**, immersive interactive sculptural environment, Canadian representative to the 2010 Venice Biennale in Architecture, Venice, Italy, September -November 2010  
2010 **Hylozoic Soil: Series 7**, Laboratorio Arte Alameda/Festival de Mexico, Mexico City, April 2010  
2010 **Mois Multi Festival**, immersive installation for Québec City, Feb'10  
2009 **Sargasso Fields**, immersive installation for CITA, Royal Danish Academy of Fine Arts, Aug'09  
2009 **Sargasso Cloud**, immersive installation for Pluto Festival Opwijk Belgium Oct'09  
2009 **Hylozoic Soil Series 5** immersive installation for Medialab Enschede, Holland Oct'09  
2009 **Hylozoic Soil Series 4**, immersive installation for Biologic Gallery, SIGGRAPH, New Orleans, Aug.'09  
2009 **Epithelium**, Ball State University, March'09 [installation, acquired by Ball State].  
2009 **Hylozoic Soil Series 3**, immersive installation for 2009 VIDA Awards, the Matadero, Madrid, Feb'09  
2008 **Hylozoic Grove Series 2**, immersive installation for Museum of the Future, Ars Electronica, Linz, Dec'08 [acquired by AEC]  
2008 **Endothelium**, and **Reflexive Membranes Series** within *Body Art and Disease Symposium* at UCLA CNSI/Broad Art Centre, Nov.'09 [sculpture installation, and photography series].  
2008 **Meniscus**, immersive installation for Champ Libre, Montreal, Sept'08 [commission]  
2008 **Hylozoic Soil Documents**, photographic exhibition for Beijing Architecture Biennale, N. Leach Curator, Oct'08 [group exhibition]  
2008 **Basal Lamina**, interactive geotextile installation, Broad Art Centre, UCLA, Stefanie Adcock Curator [solo/participatory assembly, on occasion of Body Art Disease Symposium]  
2007 **"Hylozoic Soil Work In Progress,"** at National Yunlin University of Science and Technology Gallery, Douliou, Taiwan, December 2-15, 2007 [solo exhibition]  
2007 **"Hylozoic Projects"** within "A\_esthesia", University of Southern Illinois Art Gallery, Sept. 20-Oct 30, [group exhibition]  
2007 **Hylozoic Soil**, installation within **"Communicative Vessels: e-art"**, Montreal Beaux-Arts Museum, Sept. 15-Dec. 7, 2007 [group exhibition, commission]  
2007 **"Reflexive Membranes"** within "20 + Change" traveling exhibition, Gladstone Hotel Toronto May 2007, DX Toronto Sept. 2007, University of Waterloo School of Architecture Oct-Dec. 2007. [group exhibition]  
2007 **"Niagara Credit Union"** within 'Future Wood' Traveling exhibition, Dalhousie University School of Architecture Gallery October-November 2007, Design Exchange Toronto Gallery October 2007, University of British Columbia School of Architecture Gallery May 2007 [group exhibition]  
2006 *ref* Exhibition. **"Responsive Architectures"**, 10th Annual International Conference of the Iberoamerican Society for Computer Graphics (SIGraDI) [display of photographs of past projects]  
2006 **Implant Matrix**, Installation at the InterAccess Electronic Media Arts Centre, Toronto, Ontario.  
2005 **Cybele**, Installation in the Faculty Exhibition at the Cambridge Art Gallery, Cambridge, Ontario.  
2004–5 **Orpheus Filter**, part of Digital Fabricators touring exhibition at The Architecture Pavilion, RIBA, Interbuild, Birmingham; The Building Centre Trust, London UK, and the Cambridge Art Gallery/University of Waterloo, School of Architecture Gallery, Cambridge Ontario.  
2003 **Orgone Reef**, exhibition /residency at University of Manitoba School of Architecture Gallery  
2002 **Ornamentia**, installation, at National Council of Educators in the Ceramic Arts, Kansas City  
2002 **The Wheels Project**, Gardiner Museum of Ceramic Art, exhibitory + graphic design, 350 artefacts; exhibit designer Remounted at Dufferin Mall, Toronto, June 2002  
2001 **Hiving Quilt**, Philip Beesley and Neil Forrest, in Duologue, York Quay Gallery, Harbourfront Center.  
2000 **Synthetic Earth**, and **ROMA XX**, BCE Place Galleria, Toronto  
2000 **Hungry Soil — Connections / Interconnections / Reconections**, Mary Black Gallery, Halifax

- 1999 **ROMA XX**, Gallery Architettura Arte Moderna, Roma  
 1997 **Warren Seelig, Machina Textrina** exhibition, curator/designer, The Museum for Textiles  
 1997 **Glass Architecture** project, Canadian Clay and Glass Gallery / The Design Exchange, Toronto  
 1996 **Mostra di-Mostra**, Istituto Europeo di Design  
 1996 **Casa Tua e Casa Mia**, group installations by European and North American artists at the American Academy in Rome  
 1996 **Marrana Mariana**, collaboration with Peter O'Shea FAAR, Cryptoporticus Gallery, American Academy in Rome  
 1995 **Kamik/Inuit Boots: A Womens' Art**, inaugural exhibition and signage design, Bata Shoe Museum, Toronto  
 1995 **20 x 20 IX**, Queen's Quay Terminal, Toronto: Madoc Residence  
 1991 **Restatements and Realizations**, University of Toronto, Centennial Exhibition  
 1990 **From Toronto...** School of Architecture, University of Toronto  
 1976–82 Numerous visual art exhibitions, Kingston sites and ANNPAC member galleries

#### INSTALLATIONS AND WORKS FOR THE STAGE 35 productions at Toronto and international venues in past years; [most recent projects listed]

- 2005 **Unidentified Human Remains and the True Nature of Love**, stage design, Crow's Theatre at Buddies in Bad Times Theatre,  
 2002 **The Girl With No Door On Her Mouth**, lighting/stage design, chamber opera at Theatre Passe Muraille, Toronto, with Dereck Revington and Jim Ruxton  
 2001 **New Fingers: Forty Fingers**, lighting/stage design, contemporary chamber ensemble at St. George the Martyr Church, Toronto, May 2001  
 2001 **40 Fingers**, lighting/stage design, contemporary quartet 40 fingers at St. George the Martyr Church, Toronto  
 2000 **Still**, lighting design with choreographer Susanna Hood/director Philip Barker, Artword Theatre, Toronto  
 1999 **The Cranes**, Japanese Canadian Cultural Centre, Toronto: art installation, collaboration with sculptor Kai Chan: finalist, national juried competition  
 1999 **Escaping in Slow Motion**, Mimi Gellman, Canadian Embassy, Tokyo: exhibit design  
 1999 **S+F**, Crow's Theatre, Dumaourier Theatre Centre, Toronto: stage design

#### AWARDS AND DISTINCTIONS

- 2011 **Member, Royal Canadian Academy of Arts**  
 2011 **RAIC Allied Arts Medal**, Awards of Excellence, Royal Architectural Institute of Canada  
 2011 **Governor-General's Medal** French River Visitor Centre, Baird Sampson Neuert (Philip Beesley Architect Inc. Exhibit Design)  
 2010 **Canadian Pavilion, 2010 Venice Biennale for Architecture**  
 2010 **Scotiabank People's Choice Award**, for 'Aurora', Nuit Blanche festival for the Arts, City of Toronto  
 2009 **Distinguished Alumnus**, Humber College  
 2009 **11th VIDA Competition for Art and Artificial Life, Fundación Telefónica**, First Place for Hylozoic Soil  
 2008 **Appointment**, Peer Review College of the Danish Council for Strategic Research  
 2008 **Far Eastern International Digital Architecture Award (FEIDAD)**, Design Merit Award  
 2008 **CMA Award for Outstanding Achievement**, Canadian Museums Association, Facility Development and Design: French River Visitor Centre, Baird Sampson Neuert Architects/PBAi  
 2007 **Ontario Association of Architects Architectural Excellence Award**, for French River Visitor Centre with Baird Sampson Neuert Architects/PBAi Exhibit Design  
 2006 **Ontario Wood Council Award of Excellence**, for River-Beach Townhouses at Niagara-on-the-Lake, ON  
 2006 **Ontario Wood Council Award of Excellence**, for French River Visitor Centre Gallery, with Baird Sampson Neuert/PBAi Exhibit Design  
 2005 **Canadian Architect Award of Excellence**, for French River Visitor Centre with Baird Sampson Neuert Architects  
 2004 **Canadian Wood Council Award of Excellence**, for Niagara Credit Union at Virgil, ON  
 2004 **Ontario Association of Architects Architectural Excellence Award**, for Niagara Credit Union at Virgil, ON  
 2004 **Peter J. Stokes Heritage Commendation/Niagara-On-The-Lake Heritage Award**, for Niagara Credit Union at Virgil, ON  
 2002 **Dora Mavor Moore awards for Outstanding Stage Design and Outstanding Lighting Design, Independent Theatre Division**, for *The Girl With No Door On Her Mouth*, with Dereck Revington and Jim Ruxton, Theatre Passe Muraille  
 1998 **Betty Park Award of Merit for Critical Writing**, Surface Design Association, USA  
 1998 **Governor General's Award**, Royal Architectural Institute of Canada, for York University Student Centre (A.J.D, Donald Schmitt & Co)  
 1995–96 **Prix de Rome in Architecture (Canada)**, Canada Council for the Arts, Rome.  
 1994 **North York Urban Design Award**, York University Student Centre (A. J. Diamond, Donald Schmitt & Co)  
 1994 **North America Winner**, Architectural Record Magazine Concrete Building Award, York University Student Centre (A.J.D, Donald Schmitt & Co)  
 1993 **Ontario Association of Architects Award of Excellence**, York University Student Centre (A. J. Diamond, Donald Schmitt & Co)  
 1986 **Lieutenant Governor's Medal for Architecture**, Ontario B. Arch. *summa cum laude*  
 1978 **Andre Bieler Award**, B.F.A. *summa cum laude*

#### RESEARCH CONTRIBUTIONS [PAST 5 YEARS] - BOOKS, MONOGRAPHS, BOOK CHAPTERS, PAPERS, ARTICLES:

- 2010 Philip Beesley '**Abject Fertility: Protocells in Hylozoic Ground**', in 'Protocell Architecture' AD Magazine, ed. Rachel Armstrong and Neil Spiller, Academy/Wiley, London 2010 [chapter, in press]  
 2010 Philip Beesley, with Will Elsworth, Jonah Humphrey and Christian Joakim, "**Entropic Modeling**", in Persistent Modeling, by Phil Ayres, Routledge, London, 2010 [chapter, in press]  
 2010 Philip Beesley '**Soil and Protoplasm**', in 'Manufacturing the Bespoke' AD Reader, ed. Bob Sheil, Academy/Wiley, London, 2010 [chapter, in press]  
 2010 **Hylozoic Ground: Liminal Responsive Architectures**, Philip Beesley, Riverside Architectural Press, 200 p. [book]  
 2009 *ref* "**Posthumanist Responsive Architecture: Notes on Interactivity**", Association of Collegiate Schools of Architecture, "*Re-Generating Form*" **Re-Building**, 98th ACSA Annual Meeting, New Orleans, Louisiana March, 2010 [paper]  
 2009 "**Research by Design CITA Summer School**", Philip Beesley & Mette Ramsgard Thomsen, in *Digital Architecture: : Passages Through Hinterlands*, ed. Ruairi Glynn & Sarh Shafiei,, Digital Architecture.org, 2009, pp. 107-111, ISBN 978-0-9563639 [chapter]  
 2009 **Responsive Environments: Performing Instruments**, Beesley, Khan, Situated Technologies Pamphlet Series, The Architectural League of NY, 2009, ISBN 978-0980099430 [book]  
 2009 *ref* "**Hylozoic Soil**", *Special SIGGRAPH 2009 Issue*, Leonardo Journal Volume 42, Issue 4, Guest Ed. Martino, '09, MIT Press, '09 [cover+article]  
 2009 *ref* "**Paradigms for Interactivity**", CAAD Futures, Yunlin University, Taiwan, 20p, 2009 [keynote paper, currently in press]  
 2009 "**Geotextiles**" in *Installations by Architects*, Eds. Bonnemaison, Eisenbach, Princeton Architectural Press, 2009, pp90-98, ISBN978-1568988504 [chapter]  
 2009 *ref* "**Hylozoic Grove**", in *Human Nature*, Ars Electronica 2009, Linz, Hatje Cantz Verlag, 2009 [article]

- 2009 "Hylozoic Grove", in *The Network for Art Technology & Society: The First 30 Years of Ars Electronica 1979-2009*, Eds. Leopoldseder, Schopf, Stocker, Hatje Cantz Verlag, 2009, pp368-369 [article]
- 2008 "Erratics Net" in *Free Lab: Design-build projects from the School of Architecture, Dalhousie University, Canada, 1991-2006*, by Christine Macy, Tuns Press, 2008, pp.11 & 28-29 [chapter]
- 2008 ref "Hylozoic Soil", in *(Im)Material Processes: New digital techniques for Architecture*, eds. Leach, Weiguo, China Architecture & Building Press, 2008, pp248-251, ISBN 978-7112103959 [chapter]
- 2008 ref "Mechanical Empathy", Robert Gorbet and Philip Beesley, SIMAE Emergent Architecture, Barcelona [paper]
- 2008 **On Growth and Form: Organic Architecture & Beyond**, ed. Beesley, Bonnemaïson, Tuns and Riverside Architectural Press, 2008, ISBN 978-0929112541 [book]
- 2008 **North House/Maison du Nord**, ed. Thun, Beesley, Velikov, Woodbury, Riverside Architectural Press, 96 p. essays + documents from 2008-9 Solar Decathlon documenting Team North project and sustainable design curriculum initiatives, ISBN 978-0-9780978-9-9 [book]
- 2008 **Maison Solaire/Solar House**, ed. Rivard, Beesley, Rocki & Woodbury, Riverside Architectural Press, 98 p. essays + documents from 2007 Solar Decathlon documenting Team Montreal building, ISBN 978-0-9780978-8-2 [book]
- 2008 **Ourtopias**, ed. Paola Poletto & Philip Beesley, Riverside Architectural Press, 250 p. essays derived from Design Exchange conference July 2007, currently in press
- 2007 **Mobile Nation**, ed. Martha Ladly & Philip Beesley, Canadian Design Research Network Research Series/Riverside Architectural Press, 300p. 978-0-9780978-4-4
- 2007 "Hylozoic Soil Control System, Robert Gorbet and Philip Beesley, chapter in *Responsive Textile Environments*, ed. Sarah Bonnemaïson and Christine Macy, TUNS Press/Riverside Architectural Press, Halifax 2007, p. 46-55. [paper]
- 2007 ref **Evolving Cooperative Behaviour in a Reflexive Membrane**, Kirsten Robinson, Rob Gorbet, Philip Beesley, ACADIA 2007 proceedings, October 2007, p. 284-293 [paper]
- 2007 **Mobile Nation: Creating Methodologies for Mobile Platforms**, ed. Martha Ladly, Ron Wakkary & Philip Beesley, proceedings of the Mobile Nation conference OCAD May 2007, 120p, OCAD, ISBN 978-0-9780978-3-7
- 2007 **Expanding Bodies: Art, Cities, Environment** Proceedings of the ACADIA 2007 Conference, Philp Beesley coeditor,; ISBN 978-0-9780978-6-8, Oct 2007, Riverside Architectural Press and Tuns Press, 368 p.
- 2007 **Hylozoic Soil: Geotextile Installations 1995-2007**, Philip Beesley, book + CD, with essays by authors Macy, Stankievich, Pepperell, Stacey, Payne, Riverside Architectural Press, Cambridge 2007, 200p.
- 2007 **Future Wood: Innovation in Building Design + Manufacturing**, edited by Oliver Neumann + Philip Beesley, Canadian Design Research Network/Riverside Architectural Press, ISBN 978-0-9780978-2-0, 127 p. + CD
- 2007 **Organic Architecture and Beyond: The Engineering of Nature**. 200 p. essays edited and with introduction by Philip Beesley and Sarah Bonnemaïson, Tuns Press
- 2006 **On Growth and Form: The Engineering of Nature**. 200 p. essays edited and with introduction by Philip Beesley and Sarah Bonnemaïson [NSCAD Press, Graham Foundation]
- 2006 ref **Parametric Modelling as a Design Representation in Architecture: A Process Account**, paper, with Shane Williamson and Robert Woodbury, presented at the Canadian Design Engineering Network conference, July 2006
- 2006 **Responsive Architectures: Subtle Technologies**, ed. Philip Beesley, Sachiko Hirose, Jim Ruxton et al., Riverside Architectural Press 2006, 240 pages, ISBN 0-9780978-0-7 [book]
- 2006 ref "Rome and Other: legacy of the Prix de Rome", Society for the Study of Architecture in Canada, Charlottetown, paper presented

#### NON-REFEREED CONTRIBUTIONS [SELECTION, PAST 5 YEARS] - BOOK REVIEWS, REPORTS, PUBLIC LECTURES, CREATIVE WORKS

- 2011 Hearst Lecture, 'Hylozoic Ground: Liminal Responsive Architectures', CalPoly Architecture, San Luis Obispo, Feb. 2011
- 2011 Mediascapes Lecture, 'Hylozoic Ground: Liminal Responsive Architectures', SciArc, Los Angeles, Feb. 2011
- 2011 Lecture, 'Liminal Responsive Architectures', Universitet Der Kunst Mondays Lecture, Berlin, Wiel Arets, Jan. 2011
- 2010 Lecture tour 'Future Sustainable Architecture', Shanghai World Expo; Seoul, Busan, Korea, Oct 2-5, 2010
- 2009 Lecture, 'Autopoietic Sentiments', Social Innovation Generation/WICI, Waterloo, Nov 2009
- 2009 Lecture, 'New Gesamtkunstwerk', Creative Minds/Medialab Enschede, 2009
- 2009 Lecture Series, 'Hylozoic Systems', Architectural Roadshow, Vancouver/Calgary/Winnipeg/Toronto/Cambridge/Ottawa/Montreal/Halifax, Sept-Oct 2009
- 2009 Lecture, 'Transitional Fields', at Goldsmiths College, London, June 2009
- 2009 Lecture, 'Transitional Objects', at University of Calgary CAUSA series, May 2009
- 2009 Lecture, 'Partial Objects', at Ball State University, Muncie Indiana, April 2009
- 2008 Lecture, "Kinetic Architectures," at University of California at Los Angeles, February 2008
- 2008 Lecture, "New Textile Constructions", at University of Pennsylvania, Philadelphia, February 2008
- 2007 Keynote Lecture. "Posthumanist Design Paradigms," at Taiwan Digital Media Design conference, National Yunlin University of Science and Technology, Taiwan, December 7, 2007
- 2007 Lecture, 'New Digital Fabrication Systems', Explore Design National Convention for Youth, Toronto Convention Centre, October 5'07
- 2007 Lecture, ALD Series, "Hylozoic Soil", Faculty of Architecture, Landscape & Design, University of Toronto, September 25, 2007
- 2007 Lecture, "Aesthesia, Hylozoic Projects", University of Southern Illinois, Sept. 29, 2007
- 2007 Lecture. "New Sustainable Structures," Claude Watson School for the Arts, May 2007
- 2007 "Digital Fabrication", Ontario Association of Architects Continuing Education Credit course, RAIC/OAA National Convention, Toronto, May 2007. Philip Beesley lecturer
- 2006 "Implant Matrix," article in *Domus Magazine*, ed. Maria Cristina Tommasini, Milan 2006
- 2006 Lecture. "Geometry/Territory," at Faculty of Architecture, Landscape & Design, University of Toronto, December 2006
- 2006 Lecture. "Responsive Architectures," at Interactive Architecture Workshop, Department of Architecture and Interior Design/Computational Design, National Yunlin University of Science and Technology, Taiwan, March 2007
- 2006 "Managing Digital Fabrication", Ontario Association of Architects Continuing Education Credit course, Construct Canada feature session, November 2006. Philip Beesley lecturer.
- 2006 Juror. "Environmental Tectonics," Architecture Association, London UK
- 2006 Public lecture. "Field Empathy," Lowe International Lecture Series, Bartlett School of Architecture, London UK
- 2006 Lecture and video conference, "Environmental Strategies," at the Architectural Association, London, UK, Nov 2006
- 2006 Lecture and video conference, "Environmental Tectonics," at the Architectural Association, London, UK