

Curriculum Vitae:

Patrick. H. Harrop

B.ARCH (5 year-professional), M.ARCH (post-professional)
MOAQ, MRAIC

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Bio

Patrick H Harrop is an architect and associate professor of Architecture at the University of Manitoba. He currently holds the CMRI Chair in Masonry Studies and is an active researcher with CAST (Centre for Architectural Structures and Technology). His research specialty is in Emerging technology and design with a particular emphasis in electromechanical hacking, digital fabrication and contemporary theory. Professor Harrop currently teaches graduate studios in time based architecture, *daidala* strategies, contemporary theory, and advanced computer / fabrication. Professor Harrop received his undergraduate architecture degree from Carleton University, and his post professional M.Arch degree from the History and Theory program at McGill University in Montreal.

Associate Professor (Tenured), **Department of Architecture, University of Manitoba.**

Chair in Masonry Studies (Endowed Chair), **CMRI** (Canadian Masonry Research Institute) (2001-2010)

CAST researcher: **Centre for Architectural Structures and Technology**

EDUCATION:

Graduate Studies

Doctoral Candidate: Interdisciplinary PHD in the humanities program, Concordia University.

2007 *present

M. Arch History & Theory (Post-Professional)

1988-1992

McGill University, School of Architecture; Montréal

Thesis Title: *Inseminate Architecture: An Archontological Reading of Athanasius Kircher's Turris Babel*

Undergraduate

B. Arch (Five Year Professional)

1981 -1986

Carleton University, School of Architecture; Ottawa

High Distinction

PROFESSIONAL AFFILIATION & LICENSING:

MOAQ: *Membre de L'Ordre des Architectes du Quebec*

1993 – present

TEACHING EXPERIENCE:

Faculty of Architecture, University of Manitoba, Winnipeg

1999 – present

Associate Professor (Tenured)

Ecole D'architecture; Faculte D'amenagement, Universite de Montreal, Montreal

Oct. 2003

Visiting Professor Atelier Tryptyque, Visiting Critic Studio

School of Architecture; Texas Tech University, Lubbock, Texas Summer. 2003
Professor; Montreal Studio

2003 Busan International Architectural Design Seminar: Korea / Tradition and Avant-garde Sept. 2003
 Student design competition studio.

Dalhousie University School of Architecture (Daltech), Halifax 1999
 Graduate thesis advisor (external critic)
Studio instructor. Undergraduate program. B3 (Third Semester)

SCHOLARSHIPS:

Concordia University: Phd in the Humanities Program. Annual tuition scholarship 2007 to 2012
 Concordia University: Phd in the Humanities Program. \$12,000 per annum research scholarship 2007 to 2011
 Interactive Screen 0.6 - Margins: Media: Migrations: Banff New Media Institute. New Media Conference and Workshop: full scholarships (Travel, Fee and Accomidation) 2006

GRANTS:

Winnipeg Arts Council Travel / Professional grant for ISEA 2010 Ruhr conference, Dortmund, Germany. \$1000.00 2010
 Manitoba Arts Council Travel / Professional grant for ISEA 2010 Ruhr conference, Dortmund, Germany. \$1300.00 2010
 UM/SSHRC Travel Grant for "Gilbert Simondon: Transduction, translation, transformation (Paris, France) and Zoontotechnics: animality/technicity. (Cardiff, Wales) \$1500.00 2010
 FQRSC: Bourse de Recherche et Creation en Nouveaux Media, Architectures of Enchantment: Sha Xin Wei (PI), Patrick H Harrop (Collaborator).: \$100,000 2010 - 2012
 Grant for Research Assistance, Faculty of Architecture, University of Manitoba: \$1500.00 2008
 URGP University of Manitoba Research Creation Grant: \$3000.00 for "Pneus" interactive installation research project. (PI) 2008 - 2009
 Grant for Research Assistance, Faculty of Architecture, University of Manitoba: (co recipient) \$3000.00 2006-2007
 Masonry Technology Workshop . Project Leader. In conjunction with Dalhousie University, NSCAD University. \$18,000 from the Canadian Design Research Network. 2006-2007
 Grant for Research Assistance, Faculty of Architecture, University of Manitoba: \$1500.00 2006
 Network Centres of Excellence: foundation grant. \$400,000 to the Canadian Design Research Network over a period of 4 years. (consortium application) 2005 – 2008
 Bently Microsystems \$3000 USD research and development software grant (PI) 2005, 2006
 Smart Geometry Workshop Scholarship, Bently Microsystems \$1500 USD (PI) 2004, 2006
 Production Grant: Canada Council for the Arts, For "Robotic Architecture" \$8,000 (PI) 2002
 Research Grant, Faculty of Architecture \$5,000 for CNC & Robotic "proof of concept architectural models" (PI) 2002
 Faculty Endowment Grant: \$12,000 budget allotment for Architecture II Gallery (PI) 2001
 URGP University of Manitoba Research Grant: \$3500.00 for "Digital Making" research project. (PI) 2000
 Loewen Foundation: Production and Material assistance for "photo mapping" work conducted during ID4 design studio. (PI) 1999

INVITED LECTURES:

<i>Gilbert Simondon and Sonic Theory</i> : General Public, Oscillation Series, Berlin, Germany	August 2011
<i>Pneuma, works by Patrick Harrop and Peter Hasdell</i> : Food for Thought, University of Manitoba:	March 2009
Departement de Communications, Universite de Montreal: Invited lecture, "Works". Brian Massumi curator.	February 2009
Champs Libre: Ateliers sur L'art: Galerie Monopoli, Montreal, QC. Workshop and invited lecture: Patrick H Harrop and Sha Xin Wei.	October 2008
Pecha-Kucha Montreal #07, SAT, Montreal, QC: <i>Pneus</i>	September 2008
Sensing Cinema, Concordia University: <i>Ornament and time</i> , Department of film Studies	November 2007
Topological Media Lab / Concordia University: Lecture on practices and work.	October 2007
Faculty of Architecture invited research lectures series: <i>Pneuma</i> : A lecture on a series of installation pneumatic structures conducted during the summer of 2007.	September 2007
This Hour Has 33 Minutes, University of Manitoba Research Lecture: "The Algorithms of a Material Practice"	February 2004
ACSA National Conference Recalibrating Centers and Margins <i>Imagining</i> : Louisville, Kentucky. Paper and Session: "Algorithms of a Material Practice", selected for presentation among regional papers	March 2003
Texas Tech University: School of Architecture: <i>Algorithms of a Material Practice</i> .	March 2003
Royal Architectural Institute of Canada: Festival of Architecture, 2002	June 2002
Invited presentation to "Education and Architecture" plenary session: lecture: Time Based Architecture.	
University of Manitoba, Faculty of Architecture Research Dinner Lecture Series: <i>Parsing Substance</i>	June 2002
University of Manitoba, School of Art Art and New Media Guest Lecturer: Sound Art and Interactivity on the World Wide Web	March 2002
University of Manitoba, Faculty of Architecture Food for Thought Lecture Series: <i>Animate Architecture</i>	February 2002
University of Manitoba, Faculty of Architecture March Design Studio : <i>Athanasius Kircher</i>	January 2002
University of Manitoba, Faculty of Architecture Research Dinner Lecture Series: <i>Parsing Substance</i>	November 2001
Dalhousie University, School of Architecture Lecture and Workshop Series : <i>The Modernist Influence: Recent Work</i>	July 2001
University of Detroit Mercy, Faculty of Architecture Lecture: <i>Bull in the Machine</i> .	March 2001
University of Detroit Mercy, Faculty of Architecture Lecture: <i>Thickening the Plot: Deadalus and the Threat of Creativity</i> .	February 1999
University of Manitoba, Faculty of Architecture Lecture: <i>Aberrant Interventions: Creating the Spectacle of Space</i>	November 1998
Carleton University, School of Architecture (Directed Studies Abroad Program: Prague, Czech Republic): Lecture: <i>Rudolf II of Prague and His Wunderkammer</i> Seminar and Workshop: <i>Baroque Theatre and the Mathematics of Ornament</i>	1996
University of Toronto, School of Architecture; Toronto: Lecture: <i>The Surreal Wunderkammer: Le Cabinet des Curiosités and The Surrealist Object</i>	1994
Carleton University, School of Architecture; Ottawa: Lecture: <i>The Surreal Wunderkammer: Le Cabinet des Curiosités and The Surrealist Object</i>	1992 & 1993

GUEST CRITIC \ REVIEWER:

Grant Jury: FQRSC: Fonds québécois de la recherche sur la société et la culture	2010
M.arch Thesis (Projet Finale) reviews, Université de Montréal	2009
Diplômes D'études supérieur spécialiser en Design D'évènements. Graduate Certificate. Final project reviews.	2009
Intermediate and Final reviews, Graduate Certificate in Design and Computation Arts, Concordia University, Montreal	2009
B.arch Final reviews, Howard Davies studio, McGill University	2009
B.arch Final reviews, Atelier Option, Alessandra Ponte, Université de Montréal	2009
B.arch Intermediate and Final reviews, Atelier Option, Annie Lebel, Université de Montréal	2009
M.arch Intermediate and Final reviews, Atelier de L'architecture Potentielle, Peter Fianu, Université de Montréal	2009
Grant Jury: FQRSC: Fonds québécois de la recherche sur la société et la culture	2009
M.arch Intermediate Thesis reviews, Université de Montréal	December 2008
M.arch Intermediate Thesis reviews, McGill University	December 2008
Grant Jury: FQRSC: Fonds québécois de la recherche sur la société et la culture	2008
Guest Critic, Cornell University, Graduate School of Architecture	December 2007
Tenure and Promotion external reviewer: University of Toronto, School of Architecture.	2007
Paper and Session Reviewer: Mobile Nation: CDRN Interactive and Sensing Technology Workshop, Ontario College of Art and Design, Toronto, Ontario	March 2007
Thesis Reviewer, Rensselaer Polytechnic, Troy, New York	April 2007
Jury Member, WRAP Material Competition, Winnipeg Manitoba	January 2007
M1 and Option Studio reviews, University of Toronto, School of Architecture	December 2006
External Grant Assessor / Scientific Reviewer: AIF Atlantic Innovation Fund	September 2006
Guest critic, Texas Tech University Architecture program / Inje (Busan, Korea) University of College Engineering, Department of Architecture. Joint Studio in Montreal.	July 2006
External Grant Assessor: SSHRC: Social Sciences and Humanities Research Council of Canada	January 2006
Guest critic, Cranbrooke Academy of Art, Architecture program.	April 2006
Thesis Reviewer, Rensselaer Polytechnic, Troy, New York	December 2005 & April 2006
M.arch Intermediate Thesis reviews, Université de Montréal	November 2005
M.arch Intermediate Thesis reviews, McGill University	October 2005
M.arch Studio reviews, Annie Lebel, McGill University	Oct/Dec 2005
External Reader: <i>22nd National Conference on the Beginning Design Student, Intersections: design education and other fields of inquiry</i> , Iowa State University April 6-8, 2006.	October 2005
External Reader: <i>ACSA 2005 Central Regional Conference, Detroit, Michigan. October, 2005</i>	May 2005
Paper Reviewer: <i>Encounters/Encuentros/Rencontres 2005 ACSA International Conference, Mexico City</i>	March 2005
Final Thesis Reviews, Rensselaer Polytechnic, Troy, New York	April 2005

M.arch Studio reviews, Jean-Claude Marsan, Universite de Montreal	April 2005
M.arch Studio reviews, Jean-Pierre Chupin, Universite de Montreal	April 2005
External Grant Assessor: SSHRC: Social Sciences and Humanities Research Council of Canada	Feb 2005
M1 Studio reviews, University of Toronto, School of Architecture	Dec. 2004
External Thesis Reviewer: Universite de Montreal	Jan. to April 2004
M1 Studio reviews, Carleton University, School of Architecture	Dec. 2003
Term 1, M.Arch Thesis Reviews, University of Waterloo, Waterloo, Ontario	Dec. 2003
Final Thesis Reviews, McGill University, Montreal	Dec. 2003
Term Reviews,: Design Research Laboratory Graduate Program, The Architectural Association, London.	Nov: 2003
Intermediate Unit 2: Undergraduate Program: The Architectural Association, London	Nov. 2003
<i>Diploma Units 15, 16 and 24: The Bartlett School of Architecture, London</i>	Nov. 2003
<i>Journal of Architectural Education: External Reader</i>	Oct.2003
Competition Jury: <i>Death in the City / Landscape and Seascape: Gwangalli: the Water Front Tourism Area of Busan, South Korea: Student Design Competition.</i>	Sept. 2003
B. Arch Project reviews, Summer Session. Texas Tech University, Lubbock, Texas	July 2003
March Thesis Reviews (Intermediate), Université de Montréal Faculté d'aménagement	Oct. 2003

SERVICE:

Institutional

Institute for the Humanities, Board Member	2005 –2008
Faculty of Graduate studies, Department of Architecture Representative	2004 – 2006
CMAD building user group committee	2004
NEMI: New Electronic Media Institute working and planning group (University of Manitoba)	1999 – 2001
Gallery 111 board of directors, Faculty of Architecture, University of Manitoba	2001 – 2005

Community

Les Marmitons de Montreal: Gastronomical society	2008 - present
Member of Send + Receive, Sound Festival board. Winnipeg, Manitoba.	2005 – 2009
Member of MAA (Manitoba Association of Architects) Governing Council: U of M representative.	2002 – 2008
Chair MAA (Manitoba Association of Architects) continuing education committee.	2002 – 2004
MAA (Manitoba Association of Architects) continuing education committee.	2002 – 2004
Treasurer, Groundswell New Music, Winnipeg, Manitoba.	2001 – 2002
Executive Board Member of Groundswell, New Music board. Winnipeg, Manitoba.	2001 – 2002
Member of Groundswell, New Music board. Winnipeg, Manitoba.	2000 – 2003
Chair: Groundswell web site development committee.	2000 –2003
Member of the Integrated Coastal Planning Project: Principal investigator for Web Site research component. (Halifax)	1999 – 2003
Board Member for Gallery OBORO, (Montreal)	1994 – 1997
Selection committee for performance and sound-art proposals, Gallery OBORO, (Montreal)	1994

CONFERENCES \ SYMPOSIA \ EDITORIAL:

ISEA 2011: Paper: <i>Metastatic Envelope</i> . Istanbul, Turkiye	Sept 2011
ISEA 2011: Paper: <i>Dephasing Infrastructure: On the Techno-Aesthetic Interval in Gilbert Simondon's Objet Technique</i> . Istanbul, Turkiye	Sept 2011
Atmosphere: Session moderator and discussant. Presentation of Inductive city Workshop.	Feb 2011
The Inductive City: Three day electronic / sound workshop in concert with Atmosphere symposium, University of Manitoba.	Feb 2011
Adaptive Actions: Panel, participant and discussant: Gallerie Leonard & Bina Ellen, Montreal, QC	Nov 2011
ISEA (International Symposium on Electronic Arts) 2010: Panel: Enunciations of Non Human Performativity: Paper: <i>Metastatic Membranes</i> , Ruhr, Germany.	August 2010
Design Research Society (DRS) international conference on Design & Compexity: Ornament and Temporality: Complexity Through Gilbert Simondon's Model of L'Objet Technique, Montreal, QC	July 2010
Gilbert Simondon: Transduction, Translation, Transformation conference: The Concretized Grotesque: Ornament and Transduction Through the Architecture of Gilbert Simondon's Techno-Aesthetique, American University, Paris, France	May 2010
Zoontotechnics : Animality/Technicity: Hylozoic Performativity: From Passive <i>Hyle</i> to Material Agency in Recent New Media Practice. Cardiff, Wales	May 2010
MG3: 3rd International Conference on Music and Gesture. Enphonic Graphomania: Lecture and Installation piece. Schulich School of Music, McGill University, Montreal, QC	March 2010
IHRA: The Ephemeral City: Interactivity, the City as Performative Space. CCA, Montreal, QC	Nov 2009
Metastatic Membranes: Enunciations of Non Human Perfomativity: Paper and Panel for PSi #15: Performance Studies International, Zagreb, Croatia. June 24 to 28 th	June 2009
Inflexions: Special Issue on Gilbert Simondon. Guest editor, with Marie – Pier Boucher.	publication in 2010
Table Ronde sur Gilbert Simondon: Sense Lab, SAT (Societe d'Art et Technologie) , Montreal, Quebec. Organizer and Curator with Marie-Pier Boucher. Participants: Brian Massumi (U de M), Chris Salter (Concordia), Sha Xin Wei (Concordia), Erin Manning (Concordia), Thomas Lamarre (McGill)	December 2009
Roundtable on autopoiesis and the art of living systems: Topological Media Lab, FOFA Gallery , Concordia University, Montreal, Quebec. Respondent and Participant.	April 2008
Advisory Board: Inflexions: A Journal for Research-Creation: (online journal) Alana Thain, Brian Massumi, Christoph Brunner, Erin Manning editors.	2008 -
Grotesque Pertubations workshop session and installation, (Students, Faculty and Researchers from the Topological Media Lab) Harrop, Sha Shin Wei, Mark Sussman, Barbara Layne. Department of Architecture, University of Manitoba, Topological MediaLab, Hexagram, Concordia University.	November 2008
Acadia 2007: Expanding Bodies. Halifax, Nova Scotia: Poster Session, <i>Pneuma</i>	October 2007
Organizing Committee: ACADIA: CDRN Interactive and Sensing Technology Workshop , Dalhousie University, School of Architecture, Halifax, Nova Scotia	October 2007
Organizing Committee: Mobile Nation: CDRN Interactive and Sensing Technology Workshop , Ontario College of Art and Design, Toronto, Ontario	March 2007
Chair: Canadian Design Research Network and Canadian Masonry Research Institute Workshop in New Masonry and Ceramic Technologies. Centre for Architectural Structures and Technology, Faculty of Architecture, University of Manitoba, and Nova Scotia College of Art and Design (NSCAD University), Halifax Nova Scotia.	March and October 2007
Black Box Roundtable on Soft Architectures. Topological Media Lab, Hexagram, Concordia University,	November 2007
Neocraft: An International Conference on Craft and Moderninty, Paper Presentation, <i>Aberrant Traces: Provoking Generative Form in Animate Materials</i> NSCAD, Halifax, Nova Scotia (in Preparation)	2007
Reconciling Poetics and Ethics in Architecture, Paper Presentation: <i>Uncertain Projections:</i>	2007

<i>Autokinetic Tactics for Disrupting Architectural Fabrication</i> , McGill University, Montreal, Quebec (In Preparation)	
Black Box Roundtable on Soft Architectures. Topological Media Lab, Hexagram, Concordia University, Montreal, Quebec. Respondent and Presenter	2006
Dedale / Pneu workshop session, (Students and Faculty) Harrop, Krueger and Sha Shin Wei, Department of Architecture, University of Manitoba, School of Architecture, Rensselaer Polytechnic, Topological MediaLab, Hexagram, Concordia University.	2006
Interactive Screen 0.6 - Margins: Media: Migrations: Banff New Media Institute. New Media Conference and Workshop. Presenter and Workshop competition participant	2006
Invited Participant: Design as a Creative Model for Technical Inquiry Workshop: Rensselaer Polytechnic, Troy, New York	2005
Session Moderator, <i>Mediating the Neighborhood: <u>Encounters/Encuentros/Rencontres 2005 ACSA International Conference</u></i> , Mexico City	2005
Lecture Respondent: <i>Temporization: From Photogram to Pixel in Recent Films of the Fantastic:</i> led by Dr. Garrett Stewart. 2005 Warhaft Memorial Colloquium , The Department of English, University of Manitoba	2005
93rd Annual Meeting of The Association of Collegiate Schools of Architecture. Chicago, Illinois. Paper Presentation: <i>Ghosts between the frames: the generation of anima in film and ornament.</i>	2005
Bently Systems Smart Geometry Workshop, Cambridge, Ontario:	2004
Fabrication: Examining the Digital Practice of Architecture: Proceedings of the 2004 AIA/ACADIA Fabrication Conference, Cambridge, Ontario, Paper Presentation: <i>Agents of Risk: Embedding Resistance in Architectural Production</i>	2004
RAIC Greening the Curriculum Symposium and Workshop, Universite de Laval, Quebec City, Quebec.	2004
2003 Busan International Architectural Design Seminar: Korea / Tradition and Avant-garde, Lectures: <i>Time Based Architecture</i> (Sept. 16 th), <i>Drawing and Resistance</i> (Sept. 14 th). (invited)	2003
ACSA National Conference Recalibrating Centers and Margins <i>Imagining:</i> Louisville, Kentucky. Paper and Session: "Algorithms of a Material Practice", selected for presentation among regional papers	2003
ACSA Research Conference <i>Imagining Realms / Remaking Worlds:</i> San Luis Obispo, California. Paper: "Algorithms of a Material Practice"	2002
ACSA Research Conference <i>Speed Space:</i> Lincoln, Nebraska. Papers: "Time Based Architecture", "Motion Blurs"	2002
In Spite of. ACSA regional conference: Phoenix Arizona. Paper: "Bull in the Machine"	2000
III Iberoamerican Congress of Digital Graphics, Montevideo, Uruguay Paper : "Amor Infinito\Horror Vacui: Resolving Architecture Beyond the Planck Length"	1999
InterSymp '99 : <i>War in the Culture of Peace</i> . Baden-Baden, Germany The International Institute for Advanced Studies in Systems Research and Cybernetics Invited Speaker: "Book X: The Architecture of Siege"	1999
InterSymp '98 : <i>Architecture and High-Tech: Inventing Content</i> The International Institute for Advanced Studies in Systems Research and Cybernetics Paper, published as part of conference proceedings: "Like Horse-Fat on Glass" ; Baden-Baden, Germany	1998
15th International Congress on Cybernetics: <i>Architectural Computing & Networking: Perspectives on Hi-Tech & Globalization</i> The International Association for Cybernetics Paper, published as part of conference proceedings: "Anna and Metta: The Morpho Sisters" Paper and Animation Presented August 25; Namur, Belgium	1998

PUBLICATIONS:

Harrop, Patrick; Book Review: Chris Salter: <i>Entangled: Technology and the Transformation of Performance</i> & Bill Braham. ed: <i>Rethinking Technology. Journal of Architectural Education</i> . 65_1	2011 In Preparation
<i>Emphonic Graphomania</i> (review and citation): <i>Computer Music Journal</i> (Volume 34, Number 3, Fall 2010, pp. 7-9)	2011
<i>Emphonic Graphomania</i> : (review and citation) <i>Neural IT</i> (*Neural 37, Common Spacing)	2010
Harrop, Patrick; Sha Xin Wei: Champ Libre video Interviews. Online video content	2009
Harrop, Patrick; Hasdell, Peter; Sha Xin Wei; Bolchover, Joshua: <i>esea: Shanghai eArts Festival: Urbanized Landscape: Exhibition Catalogue: Shanghai China</i>	2008
Harrop, Patrick: "Open Sourcery: When Hacking Culture Invades the Design Studio", in <i>Journal of Architectural Education</i> . 61 (Sept, 2007).	2007
Harrop, Patrick: "Autokinetic Strategies: Time and Complexity in Parametric Modeling" in <i>Responsive Architectures</i> , Subtle Technologies Conference Proceedings and Catalogue, Riverside Press, Cambridge, Ontario. May 2006. pp 148 – 149	2006
Harrop, Patrick: Exhibit and Catalogue review of the 60's, Montreal Thinks Big, Curated by André Lortie: Canadian Centre for Architecture. <i>Journal of Architectural Education</i> . 58 (Nov, 2005). Book Reviews pp 2 – 3	2005
R. Woodbury, R. Côté, P. Harrop, P. Rivard, H. Salustri, F.A. Seebohm. T. "Beyond Engineering Design: What are the natural boundaries of design education and research for Canadian universities?", in <i>From Inspiration to Innovation: The second CDEI International Conference on Design Education, Innovation, and Practice. Kananaskis, Canada July 18-20, 2005, Calgary, AB.</i> (In preparation: page numbers not available)	2005
Harrop, Patrick: "Corrupting the Substrate: Risk and Resistance in Mediating the New Materiality" in <i>AI:Architecture and Ideas = Architecture et Idées: Digital</i> vol 5. no.1 (2005): 47 – 57.	2005
Harrop, Patrick: "Ghosts Between the Frames: the Generation of Anima in Film and Ornament." In <i>The Art of Architecture/The Science of Architecture: Proceedings of 93rd Annual Meeting of The Association of Collegiate Schools of Architecture.</i> , Chicago, Illinois March 3-6, 2005, Washington, D.C. pps: 463-470	2005
Harrop, Patrick: "Agents of Risk: Embedding Resistance in Architectural Production." in <i>Fabrication: Examining the Digital Practice of Architecture: Proceedings of the 2004 AIA/ACADIA Fabrication Conference, Toronto and Cambridge, Ontario Nov. 11-13, 2004</i> ed. Beesley, Cheng and Williamson. University of Waterloo School of Architecture Press. Cambridge, Ontario, 2004 pps 66 - 75	2004
Harrop, Patrick: "Summitries" (photographs) in <i>Warehouse 13</i> (University of Manitoba: Student Publication, 2004) p. 88	2004
Harrop, Patrick: "Algorithms of a Material Practice" in the <i>Proceedings of the ACSA West Conference Imagining Realms / Remaking Worlds: San Luis Obispo, California Nov 7 to 11 2002</i> . San Luis Obispo, California pps 266 – 270 reprinted in <i>Proceedings: Recalibrating Centers and Margins: Architectural Education: 91st ACSA Annual Meeting, Louisville, Kentucky March 14-17, 2003</i> . Washington, D.C. pps 387 – 389	2003/2002
Harrop, Patrick: "Patrick Harrop" profile in <i>Busan International Architectural Design Seminar: Korea / Tradition and Avant-garde: Death in the City/Landscape and Seascape: Busan, Korea Sept 19th 24th</i> ed. Byeong Joon Kang. Sinjae Kim press, Busan, Korea. 2003, pps 100 – 101	2003
Harrop, Patrick: "Motion Blurs", In the <i>Proceedings of the ACSA, West Central Conference, Speed Space, Lincoln, NE Oct 2002</i> (publication pending)	2002
Harrop, Patrick: "Time Based Architecture", In the <i>Proceedings of the ACSA, West Central Conference, Speed Space, Lincoln, NE Oct 2002</i> (publication pending)	2002
Harrop, Patrick and Vernooy, Andrew, "Skins and Architecture": in <i>On-Site revue, issue 6: Design at</i>	2002

Work Summer 2002. Calgary. pps 24 – 25

- Harrop, Patrick: "Bull in the Machine", in *In Spite of / or Because of: the Proceedings of the ACSA west regional conference meeting. Tempe, Arizona November 2000*. Tempe, Arizona pps 171 - 176 2000
- Harrop, Patrick: "Amor Infinitum\Horror Vacui: Resolving Architecture Beyond the Planck Length", in the *Proceedings / Libro de Ponencias of the III Iberoamerican Congress of Digital Graphics conference proceedings, Montevideo, Uruguay September 1999*. Uruguay, Municipal de Montevideo, pps 19 - 24 1999
- Harrop, Patrick: "Book X: The Architecture of Siege" in the *Proceedings of InterSymp '99: 11th International Conference on Systems Research and Cybernetics. proceedings, Baden Baden August 1999* (unpublished) 1999
- Harrop, Patrick: "Anna and Metta: The Morpho Sisters" , in the *Proceedings of the 15th International Congress on Cybernetics:Architectural Computing & Networking: Perspectives on Hi-Tech & Globalization, Namur, Belgium August 1998* (unpublished) 1998
- Harrop, Patrick: "Like Horse-Fat on Glass", in the *Proceedings of InterSymp '98: 10th International Conference on Systems Research and Cybernetics. proceedings, Baden Baden August 1998* (pagination unavailable) 1998

EXHIBITIONS:

- Vorticose: Sound and movement installation piece: Pneuma with Gerard Leckey, SAT: Societe D'art et Technology, Montreal, QC Aug 2011
- Curator for projective work: MMX Encore: Transmediale Festival, Berlin, Germany Feb 2011
- Tensile Structure: Installation by Lancelot Coar and Patrick Harrop at MMX Gallery & Transmediale Festival, Berlin, Germany Oct 2010
- Laureat: Concours Stanley for Capteur || Emetteur (now Vorticose) installation piece, Pneuma with Atelier Insitu, Montreal, QC Summer 2010
- Oboro 25th Anniversary exhibition. Group Show 2009
- "Pneuma" Portes Ouvertes Montreal: Showcase of Topological Media Lab and Pneuma. Montreal, QC. 2009
- "Pneuma" Patrick Harrop, Peter Hasdell, Sha Xin Wei: Arch II gallery, University of Manitoba 2009
- Installation and Projection screen design. "AirXY: From Immaterial To Rematerial" (interactive installation), Group show for Venice Biennale, Chris Salter and Erik Adegard. Venice, Italy. Sept 14 – Nov 23. 2008
- "eSea" (interactive installation), Patrick Harrop, Peter Hasdell, Joshua Bolchover and Sha Xin Wei, earts International festival in electronic arts, Shanghai, China. October 24 - 28 2008
- "pneus" (interactive installation), Patrick Harrop, Peter Hasdell and Sha Xin Wei, FORÊT/FOREST: 8th manifestation internationale of champ libre, Montreal, Quebec. September 24 - 28 2008
- Patrick Harrop and Peter Hasdell, with Sha Xin Wei and the Topological Media Lab *Remedios Terrarium, (interactive pneumatic installation)* FOFA Gallery, Concordia University, Montreal, QC March to April 2008
- Group Show: "Uncertain Projections", in *70 Architects on Love (Interactive installation)* Sept 2007
- Patrick Harrop and Peter Hasdell, *Nervous System, (interactive installation)* Galerie, Joyce Yahouda, Montreal, QC July 2007
- Patrick Harrop and Peter Hasdell, *Artifact 2007: Drawings for pneu naturae*, Museè D'art Contemporain, Montreal, QC July 2007
- Patrick Harrop and Peter Hasdell, *Artifact 2007: pneu naturae*, Exterior installation as part of a group art festival, Parc Jean Drapeau, Montreal, QC July to September 2007
- Group Show: *Smart Geometry Group: Exhibition and Presentation 2004 AIA/ACADIA Fabrication Conference*, University of Waterloo School of Architecture, Gallery. Cambridge, Ontario, 2004 2004
- Group Show: *2003 Busan International Architectural Design Seminar: Korea / Tradition and Avant-garde*, BEXPO exposition hall, Busan, South Korea : Group showing of research and architectural work. Sept 2003

Harrop, Patrick: Curator, *Architecture II Gallery: Philip Beesley, Orgon Reef* installation project.

Jan. 2003

PERFORMANCES & INSTALLATIONS:

- Swing*, interactive piece: SenseStage collaborative and interactivity workshop: Hexagram / Concordia University 2009
- Harrop, Patrick: art for: *Tangente*, Montreal, *Hopscotch*, by Gerard Leckey with Michele Rioux, April 11 –14 (3d animation & work shown as part of the multimedia show.) 2002
- Harrop, Patrick: 3-d art contribution for: *Are You Sub-Human?*, Montreal\Halifax : Interactive Web Installation (3d animation) 1999
- Harrop, Patrick and Leckey, Gerard: *The Navy Club*, Ottawa, Sound & Visual Performance: Braille (Experimental Musical Duo) 1996
- Harrop, Patrick and Leckey, Gerard: *Foufounnes Electrique*, Montréal “Revolution”; Sound Performance: Pelthead International Conspiracy Theory (Experimental Musical Duo) 1994
- Harrop, Patrick, Leckey, Gerard: Tape Release for *La Bande Magnétique*, Distributor; Montréal, Pelthead International Conspiracy Theory (Experimental Musical Duo) 1994
- Harrop, Patrick, Leckey, Gerard: *XXII*; Independent Video by Catherine Liberokoja; Montréal, Soundtrack; Pelthead International Conspiracy Theory, (Experimental Musical Quartet) 1993
- Harrop, Patrick, Leckey, Gerard, Paisley, Blaise Silwé: *Gargoyle Mechanique Laboratory*, New York City, Two Sound Performances: Pelthead International Conspiracy Theory (Experimental Musical Quartet) 1993
- Harrop, Patrick, Leckey, Gerard, Paisley.: *Open Window Theatre*, Brooklyn , Sound Performance: Pelthead International Conspiracy Theory, (Experimental Musical Trio) 1993
- Harrop, Patrick, Leckey, Gerard, Paisley: *Phoenix Café*, Montréal, Sound Performance: Pelthead International Conspiracy Theory, (Experimental Musical Trio) 1993
- Harrop, Patrick, Leckey, Gerard, Paisley: *Gallery* OBORO, Montréal, Sound and Visual Performance: Pelthead International Conspiracy Theory, (Experimental Musical Trio) 1993
- Harrop, Patrick, Rioux, Maxime: *Gallery* SKOL , Montréal, “*L’an passée*”; Performance and Installation: Maxime de La Rochfoucault, (Experimental Sound Duo Using Experimental Instruments) 1993
- Harrop, Patrick, Leckey, Gerard, Katsanis, Kaliopy : *Gallery* OBORO, Montréal , “Heavenly Hosts”; Sound & Visual Installation 1992
- Harrop, Patrick, Leckey, Gerard, Rioux, Maxime: *Gargoyle Mechanique Laboratory*, New York City, Sound Performance: Strange Nursery (Experimental Artist Collective) 1992
- Harrop, Patrick, Leckey, Gerard, Rioux, Maxime: *Le Lion D’Or Cabaret*, Montréal, Sound Performance: Strange Nursery (Experimental Artist Collective) 1992
- Harrop, Patrick, Leckey, Gerard, Paisley: *VAV Gallery*, Concordia University, Montréal, Sound Performance: Pelthead International Conspiracy Theory, (Experimental Musical Trio) 1992
- Harrop, Patrick, Leckey, Gerard, Paisley: *Phoenix Café*, Montréal, Sound Performance: Pelthead International Conspiracy Theory, (Experimental Musical Trio) 1992
- Harrop, Patrick, Leckey, Gerard, Paisley: *CIMQ Radio FM*, Montréal, Radio Performance; by Pelthead International Conspiracy Theor, (Ex bperimental Musical Trio) 1992
- CKUT Radio FM*, Montréal, Radio Performance Produced by Christof Migone, Performed by Pelthead International Conspiracy Theory (Experimental Musical Trio) 1992