

JANET LOEBACH

PHD, P.ENG, M. ENV. DESIGN, B.ENG.SOC

jeloebach@gmail.com

PROFILE:

- *Doctoral specialty in healthy, inclusive environments for children/youth; socio-environmental determinants of health; children's & health geographies; research with/for children & youth*
- *Broad research, teaching and consulting experience in children & youth environments, environment-behaviour studies, environmental psychology, youth-friendly research methods, inclusive & universal design for diversities, play & learning landscapes, healthy environments*
- *Expertise in mixed, participatory & community-based assessment and planning processes*
- *Professional Engineer (Ontario); 15 years experience in design & project development, leadership, and project management*

ACADEMIC & TEACHING EXPERIENCE

Areas of expertise

Environmental behaviour / psychology

Research/evidence-based design

Play & learning environments

Inclusive / universal design for diversities

Community planning & urban design

Participatory & community-based research

Healthy behaviours & environments

Natural environments design & research

Research methods

Human factors evaluation & design

Academic Degrees & Training

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| 2016 | Environmental Behaviour Mapping Training Certificate
Natural Learning Initiative, North Caroline State University, Raleigh, NC |
| 2014-15 | Post-doctoral Fellowship (<i>Research with/for youth; Youth mental health</i>)
Young Lives Research Laboratory, University of Prince Edward Island
Dr. Kate Tilleczek, Director, Tier I CRC in Young Lives in Global & Local Contexts |
| 2013 | PhD, Geography (<i>Children's Geographies, Health Geographies</i>)
Department of Geography, University of Western Ontario
<i>Specialties: children and youth environments, healthy & inclusive environments, community environments, play & learning environments, behaviour monitoring & analysis, population health, qualitative & mixed methods, participatory processes</i> |
| 2007 | Community-Based Research (CBR) Certificate
Wellesley Institute, Toronto |
| 2004 | Master of Environmental Design Studies (MEDS)
School of Architecture & Planning, Dalhousie University
<i>Specialties: environmental needs of special populations (eg children, seniors), healthy play & learning settings, environment-behaviour studies, evidence-based design</i> |
| 2002 | Professional Engineer Designation
Professional Engineers Ontario |
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1997 **Bachelor of Civil Engineering & Society (B.Eng.Soc)**
Faculty of Engineering / Engineering & Society Program, McMaster University
Specialties: environmental design, health-care design, evidence-based design, environmental sustainability, community-based research, inquiry-based learning

Course Instruction

Fall 2016 **Human Factors in Design**
School of Design, Fanshawe College (Sessional Professor)

Fall 2015 **Research Methods for Designers**
School of Design, Fanshawe College (Interim Professor)

Winter 2014 **Databases for GIS**
School of Design, Fanshawe College (Sessional Professor)

Designing Landscapes for Play
School of Design, Fanshawe College (Guest Lecturer)

Interior Design Studio: Design for intellectual developmental diversities
School of Design, Fanshawe College (Guest Lecturer & Critic)

Fall 2013 **Landscape Design Elements (Hardscapes; LEED & Sustainable Sites design)**
School of Design, Fanshawe College (Interim Professor)

2010-2012 **Land Use Planning Design Studio: Designing Children's Environments**
School of Design, Fanshawe College (Guest Lecturer & Critic)

Spring 2011 **Research Methods: Conducting research with children**
Department of Geography, UWO (Part-time Lecturer)

Fall 2005 **The Culture of Technology**
Engineering & Society Program, McMaster University

Spring 2004 **Introduction to Environment-Behaviour Issues in Design (Graduate level)**
Faculty of Architecture & Planning, Dalhousie University

Teaching & Research Assistantships

2007- 2013 Research & Teaching Assistant, Department of Geography, UWO
2003-2004 Research & Teaching Assistant, School of Architecture, Dalhousie

PUBLICATIONS

- **Loebach, J.**, Owens, P., Little, S. & Cox, A. (Eds.). *Fostering the inclusion of youth in the public realm: Design processes, practices and policies for the creation of youth-inclusive public outdoor environments.* (in development for Routledge)
- Kreutz, A., **Loebach, J.** & Nakai Kidd, A. (2017). The Indigenous architecture of Early Learning Centres: International comparative case studies from Australia, Canada and New Zealand. In E. Grant & K. Greenlop (Eds.) *Handbook of Contemporary Indigenous Architecture.* Springer. (in press)
- **Loebach, J.** & Tilleczeck, K. (2017). Exploring digital media impacts on Aboriginal youth mental health through participatory digital storytelling. *Visual Studies* (under review)

- **Loebach, J. & Gilliland, J. (2017).** Examining social and built environment factors influencing children's independent use of their neighbourhoods and the experience of local settings as child-friendly. *Journal of Planning Education and Research* (under review).
- **Loebach, J. (2016).** *Securing a future for early years in the Waterloo Region District School Board: The impact of outdoor playspace renovations on children's play opportunities and behaviours.* Toronto: Evergreen.
- **Loebach, J. & Gilliland, J. (2015).** Neighbourhood play on the endangered list: Examining patterns in children's local activity and mobility using GPS monitoring and qualitative GIS. *Children's Geographies*, Vol. 14 (5), pp. 573-589. doi: 10.1080/14733285.2016.1140126.
- **Loebach, J. (2015).** *The benefits and challenges of online or mobile interviewing with youth.* Young Lives Research Lab, University of Prince Edward Island. Available at katetilleczek.ca
- **Loebach, J. & Madigan, R. (2015).** *Collecting social media data for qualitative research.* Young Lives Research Lab, University of Prince Edward Island. Available at katetilleczek.ca
- **Tilleczek, K. & Loebach, J. (2015).** Research goes to the cinema: The veracity of videography with, for and by youth. *Research in Comparative & International Education (Special Issue: The Potential of Videography in Comparative Education)*, Vol 10 (3), pp. 354-366. doi: 10.1177/1745499915581084.
- **Loebach, J. & Gilliland, J. (2014).** Free range kids? Examining socio-environmental factors influencing children's use of their neighbourhood activity spaces. *Environment & Behavior* Vol 48 (3), pp. 421-453. doi: 10.1177/0013916514543177.
- **Loebach, J. (2013).** *Children's neighbourhood geographies: Examining children's perception and use of their neighbourhood environments for healthy activity.* London: University of Western Ontario. PhD Dissertation. Available online at <http://ir.lib.uwo.ca/etd/1690/>
- **Glen, K., Thomas, H., Loebach, J., Gilliland, J. & Gobert, C. (2013).** Fruit and vegetable consumption among urban Canadian schoolchildren living in a socioeconomically disadvantaged neighbourhood. *Canadian Journal of Dietetic Practice and Research*, Vol. 74(3), pp. 114-118.
- **Gilliland, J., Rangel, C., Healy, M., Tucker, P., Loebach, J., Hess, P., He, M., Irwin, J., & Wilk, P. (2012).** Linking childhood obesity to the built environment: a multi-level analysis of home and school neighbourhood factors associated with body mass index. *Canadian Journal of Public Health*, Vol. 103 (9), Supp 3, pp. S15-S21.
- **Glen, K., Thomas, H., Loebach, J., Gilliland, J. & Gobert, C. (2011).** Fruit and vegetable consumption patterns among junior elementary students in a London, Ontario neighbourhood. *Applied Physiology, Nutrition & Metabolism Abstracts*, 36(3):451.
- **Gobert, C., Glen, K., Thomas, H., Loebach, J., and Gilliland, J. (2011)** Food consumption practices and body weights among senior elementary students in a London, Ontario neighbourhood. *Applied Physiology, Nutrition & Metabolism Abstracts*, 36(3):452.
- **Loebach, J. (2011).** The Magical Park of Aviacion: Lessons from a participatory design project with the children of Aviacion, Peru. *PlayRights* , Vol 11 (2). [View full article at http://ipaworld.org/category/play-resources/playrights-magazine/](http://ipaworld.org/category/play-resources/playrights-magazine/)
- **Loebach, J. & Gilliland, J. (2010).** Child-Led Tours to Uncover Children's Perceptions and Use of Neighborhood Environments. *Children, Youth & Environments*, Vol. 20 (1), pp. 53-90

- Gilliland, J. and **Loebach, J.** (2010). Healthy Eating, Healthy Physical Activity in the Westminster Neighbourhood of London, Ontario: Baseline Survey Grades 5-8. London, Ontario: City of London's Child & Youth Network. Report.
- Gilliland, J. and **Loebach, J.** (2010). Healthy Eating, Healthy Physical Activity in the Westminster Neighbourhood of London, Ontario: Baseline Survey Older Youth. London, Ontario: Child & Youth Network. Report.

INVITED & PEER-REVIEWED PRESENTATIONS (2009-2017)

- **Loebach, J.** & Evergreen. (2017). *Thriving outside: How natural playground installations can impact young children's outdoor play behaviours.* International Play Association Triennial World Conference. Calgary, AB. Sept 2017. Accepted; Paper Presentation.
- **Loebach, J.,** Little, S., & Cox, A. (2017). *Learning to use Behavior Mapping to capture and assess children's play in outdoor and natural environments.* International Play Association World Conference. Calgary, AB. Sept 2017. Accepted; Workshop Organizer & Presenter.
- Little, S., Cox, A. & **Loebach, J.** (2017). *Behavior Mapping: Considerations of technology, procedure and evidence-based design.* International Play Association Triennial World Conference. Calgary, AB. Sept 2017. Accepted; Symposium Organizer & Presenter.
- Ryan, L., Mackinnon, S. & **Loebach, J.** (2017). *Engaging children in neighbourhood planning informs investment in a local playspace to increase access to play.* International Play Association World Conference. Calgary, AB. Sept 2017. Accepted; Paper Presentation.
- Eubanks Owens, P., Little, S., Cox, A. & **Loebach, J.** (2017). *We were young once, too: Lessons learned that still matter for youth development.* International Play Association Triennial World Conference. Calgary, AB. Sept 2017. Accepted; Workshop Organizer & Presenter.
- **Loebach, J.,** Little, S., Cox, A. & Eubanks Owens, P. (2017). *Fostering the inclusion of youth in the public realm: Design processes, practices and policies for the creation of youth-inclusive public outdoor environments.* Environmental Design Research Association Annual Conference. Madison, WI. May 2017. Accepted; Intensive Workshop Organizer & Presenter.
- **Loebach, J.** & Evergreen. (2017). *Thriving outside: Examining the impacts of natural playground installations on young children's outdoor play behaviours.* Environmental Design Research Association Conference. Madison, WI. May 2017. Accepted; Paper Presentation.
- Little, S., Cox, A. & **Loebach, J.** (2017). *Behavior Mapping: Considerations of technology, procedure and evidence-based design.* Environmental Design Research Association (EDRA) Annual Conference. Madison, WI. May 2017. Accepted; Symposium Organizer & Presenter.
- **Loebach, J.,** Cox, A & Little, S. (2017). *Utilizing behavior mapping to capture and assess children's play in outdoor environments.* Children & Nature Network Annual Conference. Vancouver, BC. April 2017. Accepted; Workshop Organizer & Presenter.
- Paddle, E. & **Loebach, J.** (2015). *Red leaf, Green leaf, go, go, go! Examining the impacts of a school ground greening project on children's environmental behaviours and perceptions.* Environmental Design Research Association (EDRA) Annual Conference. Los Angeles, CA. May 2015. Paper Presentation.

- **Loebach, J. & Bell, B. (2014).** *Research with, for and by youth: Digital media and mental health in young lives.* Faculty of Education, University of PEI. Invited Seminar.
- **Loebach, J. & Simkins, I. (2014)** *Children in a digital world: Examining the role and impact of digital communication technologies on the socio-environmental experience of contemporary children and youth.* Environmental Design Research Association (EDRA) Annual Conference. Providence, RI. May 2013. Half-day Seminar; Organizer & Presenter.
- **Loebach, J. & Gilliland, J. (2014).** *Linking play and place: Examining patterns in children's neighbourhood activity and mobility using qualitative GIS.* Environmental Design Research Association (EDRA) Annual Conference. New Orleans, LA. May 2014. Paper Presentation.
- **Chawla, L., Derr, T., Keena, K. & Loebach, J. (2014)** *Children and Nature: Creating Connections for Individual, Community, and Ecosystem Resilience.* Environmental Design Research Association Conference. New Orleans, LA. May 2014. Symposium Organizer & Presenter.
- **Loebach, J. (2013).** *Children's neighbourhood geographies: factors influencing local activity and mobility among children and youth.* Centre for Hip Health & Mobility, Vancouver Coastal Health Research Institute, UBC. July 2013. Visiting Scholar; Invited Seminar.
- **Loebach, J. & Bishop, K. (2013).** *Fostering healthy environments for children: strengthening the integration of research, practice and policy.* Environmental Design Research Association Annual Conference. Providence, RI. May 2013. Full-day Seminar; Organizer & Presenter.
- **Loebach, J. (2012).** *Research methods for exploring healthy environments with and for children.* Centre for Hip Health & Mobility, Vancouver Coastal Health Research Institute, UBC. June 2012. Invited Seminar.
- **Gilliland, J. & Loebach, J. (2012).** *Children's Health and the Environment: Research, Policy and Practice.* American Association of Geographers Annual Meeting. New York, NY. Feb 2012. Full-Day Symposium Organizers & Presenters.
- **Loebach, J. & Gilliland, J. (2012).** *Examining the environmental characteristics of children's neighbourhood activity domains with qualitative GPS.* American Association of Geographers Annual Meeting. New York, NY. Feb 2012. Paper Presentation.
- **Gilliland, J. & Loebach, J. (2012).** *Do you know the way to school? Comparing children's and parent's perceptions of the route to school.* American Association of Geographers Annual Meeting. New York, NY. Feb 2012. Paper Presentation.
- **Loebach, J. & Gilliland, J. (2012).** *Free range children? Identifying children's domains with qualitative GPS.* Environmental Design Research Association Annual Conference. Seattle, WA. May 2012. Paper Presentation.
- **Loebach, J. & Gilliland, J. (2011).** *Linking play and place: Identifying spatial patterns in children's outdoor activities using diaries, accelerometers and GPS.* International Medical Geography Symposium. Durham, UK. July 2011. Paper Presentation.
- **Loebach, J. (2011).** *Exploring a participatory process for involving children in the design and building of spaces for play.* International Play Association Triennial World Conference. Cardiff, Wales. July 2011. Paper presentation.
- **Gilliland, J., Loebach, J. & Holmes, M. (2011).** *Is the grass greener on the other side of town? Relationships among the availability, quality and children's use of public parks.* International Medical Geography Symposium. Durham, UK. July 2011. Paper Presentation.

- **Loebach, J. & Gilliland, J. (2011).** *Linking active play and place: identifying spatial patterns in children's outdoor activities using GPS, accelerometers, and diaries.* Open Space People Space Conference. Edinburgh, UK. June 2011. Paper presentation.
- Gilliland, J., **Loebach, J.** & Holmes, M. (2011). *Getting children outdoors: Factors influencing children's use of public parks.* OpenSpace PeopleSpace Conference. Edinburgh, Scotland. June 2011. Paper Presentation.
- **Loebach, J. & Gilliland, J. (2011).** *Examining the spatial and temporal patterns in children's neighbourhood- based activity and mobility using personal monitoring technology.* Environmental Design Research Association Annual Conference. Chicago, IL. May 2011. Paper Presentation.
- **Loebach, J. (2011).** *The Magical Park of Aviacion: A participatory design/build project with the children of Aviacion, Peru.* Environmental Design Research Association Annual Conference. Chicago, IL. May 2011. Paper Presentation.
- Gilliland, J. & **Loebach, J. (2011).** *Evaluating Methods for Observing the Spatial Patterns of Children's Neighbourhood Activities: A Closer Look at the Journey to School.* Environmental Design Research Association Annual Conference. Chicago, IL. May 2011. Paper Presentation.
- **Loebach, J. (2009).** *Child guides: The use of child-led walking tours as a participatory protocol for neighbourhood research and evaluation.* Association of American Geographers Annual Meeting. Las Vegas, NV. Feb 2009. Paper presentation.
- **Loebach, J. (2009).** *Utilizing qualitative GIS methods in environmental research and evaluation with children and youth.* Environmental Design Research Association Annual Conference. Kansas City, MO. June 2009. Paper presentation.
- **Loebach, J. (2009).** *The new GIS frontier: Integrating qualitative and participatory methods with geographic information systems in environment-behavior research.* Environmental Design Research Association Annual Conference. Kansas City, MO. June 2009. Intensive Symposium Presentation; J. Loebach, Symposium Organizer & Presenter.

Other Academic Roles and Contributions:

- **Program Advisor & External Examiner**
 - Bachelor of Environmental Design & Planning Program, Fanshawe College (2015 -)
 - Proposed Bachelor of Interior Design / Architecture, St. Clair College (2015)
- **Visiting Scholar & Lecturer**
 - Environmental design & mobility study (children & seniors), Centre for Hip Health and Mobility, Vancouver Coastal Health Research Institute (June 2012 and July 2013)
- **Journal Reviewer (2010-present)**
 - Health & Place (Elsevier)
 - Environment & Behavior (Sage Publications)
 - Journal of Urban Affairs (Wiley-Blackwell)
 - Journal of Youth Studies (Taylor & Francis)
 - Children's Geographies (Routledge)
 - Social Science & Medicine (Elsevier)
 - Family & Community Health (LWW)
 - Children, Youth & Environments (UC)

PROFESSIONAL EXPERIENCE

Areas of expertise

<i>Urban, neighbourhood & health geographies</i>	<i>Research/evidence-based design</i>
<i>Community-based research & assessment</i>	<i>Project development, facilitation & leadership</i>
<i>Policy development & review</i>	<i>Space programming and planning</i>
<i>Participatory research & consultation</i>	<i>Design for special populations/inclusive design</i>

Design Consulting & Project Management

2005 – present	Environmental Design Researcher & Consultant, Thrive Design Consulting
2010 – 2015	Team leader, Participatory Schoolyard Conversion
Winter 2014	Leader, Playspace Design/Build team, Guatemala
Summer 2010,12	Leader, Playspace Design/Build team, Peru
2010 – 2012	Project Manager, HEAL, Dept of Geography, UWO
2005 – 2006	Senior Construction Project Manager, Muskoka Project Mgmt, Muskoka, ON
2004 – 2005	Renovation Project Manager, Vehicle Venture, Windsor, ON
2000 – 2002	Senior Project Manager / Design Consultant, RxScenarios, Healthcare Design & Project Management Consultants, Toronto, ON
1998 – 2000	Project Manager & Designer, Evans Forrec, Bracebridge, ON

Project & Research Development

2006 – 2013	Research Associate, Human Environments Analysis Lab (HEAL), UWO
2010	Developer, <i>Food Fusion</i> (city-wide charitable fundraiser), Heart-Links, London
2006 – 2007	Developer, <i>CYE Online Study/Project Registry</i> , Child & Youth Network of Environmental Design Research Association
1997 – 1998	Research & Development Coordinator, Evans Forrec, Architectural Manufacturing & Specialty Construction, Bracebridge, ON
1996-1997	Founder & Developer, MACLAB Engineering Endowment Fund, McMaster

Software Proficiency

Microsoft Office (Word, Excel, Access, PowerPoint, Publisher), SPSS, NVivo, ArcGIS, Adobe Creative Cloud, CAD programs, SketchUp fundamentals, video/photo editing suites, digital media applications

LEADERSHIP & AWARDS

Awards & Designations

- Post-doctoral Fellowship, Young Lives Research Laboratory, UPEI (2014-15)
- London Community Foundation Clean Air Challenge grant recipient (2011-12)
- Ontario Graduate Scholarship: PhD (2010-11)
- Children's Health Foundation Graduate Student Fellowship (2010-11)
- Urban Geography Specialty Group Student Award (2009)
- E.G. Pleva Teaching Assistant Award for Geography (2008)
- Engineers Canada – TD Meloche Monnex National Scholarship Winner (2007-08)
- Canadian Federation of University Women (London) Student Award (2007)
- Entrance scholarship, Department of Geography (2007)
- McMaster University President's Award of Excellence (1997)
- McMaster Engineering Society's President's Award (1997)
- Canadian Society of Civil Engineers Award for Outstanding Achievement (1997)

Leadership & Committee Work

Professional Associations

- Program Co-chair; Intl' Play Association 2017 Triennial World Conference (2016-present)
- Co-chair; Child, Youth & Environments Network, EDRA (2012-present)
- Vice President; International Play Association (Canada) (2011-present)
- National CSA Task Force for Naturalized Play Environments (2014-present)
- National Steering Committee on Play Space Design (Canada) (2009-present)

Board of Directors Memberships

- International Play Association – Canada (2008-Present)
- Environmental Design Research Association (2009-2011)
- Heart-Links (Cdn charity supporting community development in Peru) (2007-2010)

Department of Geography / Human Environments Analysis Lab, UWO, 2007-2017

- Children's Health & the Environment Workshop & Symposium 2017 – *Co-organizer*
- Children's Health & the Environment International Workshop 2010 – *Co-organizer*
- Department Space Committee

City of London, 2006-2012

- Healthy, Active Neighbourhoods Working Group – *Co-chair*
- Healthy Eating & Healthy Physical Activity (HEHPA) Working Group
- Childhood Obesity & Inactivity Steering Committee
- Active and Safe Routes to School (ASRTS) committee
- Child & Youth Network member

PROFESSIONAL MEMBERSHIPS

- Professional Engineers Ontario
- Environmental Design Research Association
- International Play Association – Canada
- Canadian Psychological Association – Environmental Psychology Section

References available upon request