BRENDAN HARMON

Baton Rouge
baharmon@lsu.edu
1 919 622 8414

baharmon.github.io
github.com/baharmon
0000-0002-6218-9318

Assistant Professor of Landscape Architecture

LSU | College of Art + Design

EDUCATION

2013 – 2017	**PhD in Design** Co-major in Forestry and Environmental Science	North Carolina State University
2010 – 2012	**Master's of Philosophy in Geography** Focus in Biodiversity, Conservation, and Management	University of Oxford
2005 – 2008	**Master's of Landscape Architecture**	Harvard Graduate School of Design
2001 – 2005	**Bachelor's of Art** Major in Art History	Sewanee: the University of the South

TEACHING AND RESEARCH

2017 – present	**Assistant Professor** Landscape Architecture	Louisiana State University
2017	**Postdoctoral Fellow** Geospatial Analytics	North Carolina State University
2013 – 2017	**Instructor** Landscape Architecture	North Carolina State University
2007 – 2008	**3D Teaching Assistant** Fabrication Lab	Harvard Graduate School of Design

PROFESSIONAL PRACTICE

2008 – 2009	**Landscape Designer**	EDAW|AECOM Guangzhou

BOOKS

Harmon, Brendan (in press). *Computational Design for Landscape Architects*. Routledge.

Petrasova, Anna, **Brendan Harmon**, Vaclav Petras, Payam Tabrizian, and Helena Mitasova (2018). *Tangible Modeling with Open Source GIS*. 2nd ed. Springer International Publishing. ISBN: 9783319893020. URL: `https://doi.org/10.1007/978-3-319-89303-7`.

Petrasova, Anna, **Brendan Harmon**, Vaclav Petras, and Helena Mitasova (2015). *Tangible Modeling with Open Source GIS*. 1st ed. Springer. ISBN: 9783319257754. URL: `https://doi.org/10.1007/978-3-319-25775-4`.

SELECTED PAPERS

Harmon, Brendan, Hye Yeon Nam, Hunter Gilbert, and Nasrin Iravani (2022). "Living Typography: Robotically Printing a Living Typeface". In: *CHI Conference on Human Factors in Computing Systems Extended Abstracts*. New Orleans, LA, USA: Association for Computing Machinery. URL: `https://doi.org/10.1145/3491101.3519894`.

Harmon, Brendan and Nicholas Serrano (2022a). "Point Cloud Aesthetics". In: *Journal of Digital Landscape Architecture* 7, pp. 335–344. URL: `https://doi.org/10.14627/537724033`.

Smith, Devin F, Steven T Goldsmith, **Brendan Harmon**, Russell S Harmon, and Jorge A Espinosa (2020). "Physical controls and ENSO event influence on weathering in the Panama Canal Watershed". In: *Scientific Reports* 10.1, p. 10861. ISSN: 2045-2322. URL: `https://doi.org/10.1038/s41598-020-67797-7`.

Harmon, Brendan, Helena Mitasova, Anna Petrasova, and Vaclav Petras (2019). "r.sim.terrain 1.0: a landscape evolution model with dynamic hydrology". In: *Geoscientific Model Development* 12.7, pp. 2837–2854. URL: `https://doi.org/10.5194/gmd-12-2837-2019`.

Harmon, Brendan, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross Meentemeyer (2018). "Tangible topographic modeling for landscape architects". In: *International Journal of Architectural Computing*. URL: `https://doi.org/10.1177/1478077117749959`.

Millar, Garrett C, Payam Tabrizian, Anna Petrasova, Vaclav Petras, **Brendan Harmon**, and Ross K Meentemeyer (2018). "Tangible Landscape : A Hands-on Method for Teaching Terrain Analysis". In: *CHI '18 Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. URL: `https://doi.org/10.1145/3173574.3173954`.

Tabrizian, Payam, **Brendan Harmon**, Anna Petrasova, Helena Mitasova, and Ross K Meentemeyer (2017). "Tangible Immersion for Ecological Design". In: *ACADIA 17: Proceedings of the 37th Annual Conference of the Association for Computer Aided Design in Architecture*. Cambridge, MA, pp. 600–609. ISBN: 978-0-692-96506-1. URL: `http://papers.cumincad.org/cgi-bin/works/Show&_id=caadria2010_044/Show?acadia17_600`.

Tonini, Francesco, Douglas Shoemaker, Anna Petrasova, **Brendan Harmon**, Vaclav Petras, Richard Cobb, Helena Mitasova, and Ross Meentemeyer (2017). "Tangible geospatial modeling for collaborative solutions to invasive species management". In: *Environmental Modelling and Software* 92. ISSN: 13648152. URL: `https://doi.org/10.1016/j.envsoft.2017.02.020`.

Goldsmith, Steven T, Russell S Harmon, W Berry Lyons, **Brendan A Harmon**, Fred L Ogden, and Christopher B Gardner (2015). "Evaluation of controls on silicate weathering in tropical mountainous rivers: Insights from the Isthmus of Panama". In: *Geology* 43.7, pp. 563–566. ISSN: 0091-7613. URL: `https://doi.org/10.1130/G36082.1`.

Petrasova, Anna, **Brendan Harmon**, Vaclav Petras, and Helena Mitasova (2014). "GIS-based environmental modeling with tangible interaction and dynamic visualization". In: *Proceedings of the 7th International Congress on Environmental Modelling and Software*. Ed. by D.P. Ames and N. Quinn. URL: `http://www.iemss.org/sites/iemss2014/papers/iemss2014_submission_131.pdf`.

Tateosian, Laura, Helena Mitasova, **Brendan Harmon**, Brent Fogleman, Katherine Weaver, and Russell S Harmon (2010). "TanGeoMS: tangible geospatial modeling system." In: *IEEE transactions on visualization and computer graphics* 16.6, pp. 1605–12. ISSN: 1077-2626. URL: `https://doi.org/10.1109/TVCG.2010.202`.