Brendan Harmon

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http://tangible-landscape.github.io/

EDUCATION

NORTH CAROLINA STATE UNIVERSITY | PHD IN DESIGN — 2013 - 2017, Raleigh, NC

Co-major: Forestry and Environmental Science

UNIVERSITY OF OXFORD | MPHIL IN GEOGRAPHY — 2010 - 2012, Oxford, UK

Focus: Biodiversity, Conservation, and Management

HARVARD GRADUATE SCHOOL OF DESIGN | MLA — 2005 - 2008, Cambridge, MA

SEWANEE: THE UNIVERSITY OF THE SOUTH | BA — 2001 - 2005, Sewanee, TN

Major: Art History

TEACHING AND RESEARCH

LOUISIANA STATE UNIVERSITY | ASSISTANT PROFESSOR — 2017 - present, Baton Rouge, LA
ROBERT REICH SCHOOL OF LANDSCAPE ARCHITECTURE

NORTH CAROLINA STATE UNIVERSITY | POSTDOCTORAL FELLOW — 2017, Raleigh, NC
CENTER FOR GEOSPATIAL ANALYTICS

NORTH CAROLINA STATE UNIVERSITY | INSTRUCTOR — 2013 - 2015, Raleigh, NC
DEPARTMENT OF LANDSCAPE ARCHITECTURE

HARVARD GRADUATE SCHOOL OF DESIGN | 3D TEACHING ASSISTANT — 2007 - 2008, Cambridge, MA
FABRICATION LAB | Rapid Prototyping Group

PROFESSIONAL PRACTICE

EDAW|AECOM | LANDSCAPE DESIGNER — 2008 - 2009, Guangzhou

LINKS

Website: http://tangible-landscape.github.io/   **GitHub:** https://github.com/baharmon

SELECT PUBLICATIONS

BOOKS

Petrasova, Anna, **Harmon, Brendan A**, Vaclav Petras, Payam Tabrizian, and Helena Mitasova (2018). *Tangible Modeling with Open Source GIS*. 2nd ed. Springer International Publishing.

Petrasova, Anna, **Harmon, Brendan A**, Vaclav Petras, and Helena Mitasova (2015). *Tangible Modeling with Open Source GIS*. 1st ed. Springer. isbn: 978-3-319-25775-4.

SELECT PAPERS

Harmon, Brendan A, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross Meentemeyer (2018). "Tangible topographic modeling for landscape architects". In: *International Journal of Architectural Computing*.

Millar, Garrett C, Payam Tabrizian, Anna Petrasova, Vaclav Petras, **Harmon, Brendan A**, 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*.

Tabrizian, Payam, **Harmon, Brendan A**, 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, **Harmon, Brendan A**, 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.

Tabrizian, Payam, Anna Petrasova, **Harmon, Brendan A**, Vaclav Petras, Helena Mitasova, and Ross K Meentemeyer (2016). "Immersive Tangible Geospatial Modeling". In: *Proceedings of the 24th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*. SIGSPATIAL'16. New York, NY, USA: ACM.

Petrasova, Anna, **Harmon, Brendan A**, 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, **Harmon, Brendan A**, 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: `http://dx.doi.org/10.1109/TVCG.2010.202`.

SELECT PRESENTATIONS

Harmon, Brendan A and Petrasova, Anna, Payam Tabrizian, Vaclav Petras, and Helena Mitasova (2017). "Tangibly smart: an interactive watershed in your hands". World Bank Watershed Days. Washington, D.C. url: `https://ncsu-geoforall-lab.github.io/tangible-landscape-talk/worldbank2017.html`.

Harmon, Brendan A, Anna Petrasova, Vaclav Petras, Helena Mitasova, and Ross K Meentemeyer (2016b). "Tangible geographies". Royal Geographical Society Annual International Conference 2016. London. url: `https://baharmon.github.io/rgs-2016/`.