

Vijay Lulla PhD

CONTACT INFORMATION

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EDUCATION

2005–2010 **Doctor of Philosophy** – Geography Concentration: Remote Sensing Indiana State University, Indiana, USA
2002–2005 **Master of Arts** – Geography Indiana State University, Indiana, USA
1996–2000 **Bachelor of Engineering** – Electrical Engineering The Maharaja Sayajirao University of Baroda, Baroda, Gujarat, India

ACADEMIC APPOINTMENTS

2013–2021 **Assistant Professor**, Department of Geography Indiana University–Purdue University Indianapolis
2010–2012 **Postdoctoral Researcher** – Remote Sensing Indiana University–Purdue University Indianapolis
2006–2010 **Graduate Research Assistant** (during PhD) Indiana State University
2002–2005 **Graduate Research Assistant** (during MA) Indiana State University

NON-ACADEMIC APPOINTMENTS

2012–2013 **GIS Scientist**, Environmental Solutions & Innovations Inc., Cincinnati, OH
2010–2011 **GIS Consultant** Vertical Integrated Applications (VIA), Indianapolis, IN

PUBLICATIONS

Journal articles

1. Kundla, Nathan; McCluskey, Eric; **Lulla, Vijay**; Grundel, Ralph; Moore, Jennifer (2021). Intact landscape promotes gene flow and low genetic structuring in the threatened Eastern Massasauga Rattlesnake. *Ecology and Evolution*. doi: <https://doi.org/10.1002/ece3.7480>
2. Ian R. H. Rockett, Eric D. Caine, Aniruddha Banerjee, Bina Ali, Ted Miller, Hilary S. Connery, **Vijay O. Lulla**, Kurt B. Nolte, G. Luke Larkin, Steven Stack, Brian Hendricks, R. Kathryn McHugh, Franklin M. M. White, Shelly F. Greenfield, Amy S. B. Bohnert, Jeralynn S. Cossman, Gail D'Onofrio, Lewis S. Nelson, Paul S. Nestadt, James H. Berry, Haomiao Jia (2021). Fatal self-injury in the United States, 1999–2018: Unmasking a national mental health crisis. *EClinicalMedicine*. doi: <https://doi.org/10.1016/j.eclinm.2021.100741>

3. Buning, Richard, **Lulla Vijay O.** (2020). Visitor Bikeshare Usage: Tracking Visitor Spatiotemporal Behavior using Big Data. *Journal of Sustainable Tourism*. Available at: <https://www.tandfonline.com/doi/full/10.1080/09669582.2020.1825456>
4. Robert W. White, Tijen Demirel-Pegg, & **Vijay Lulla** (2020). Terrorism, counterterrorism and 'the rule of law': state repression and 'shoot-to-kill' in Northern Ireland. *Irish Political Studies*. doi: <https://doi.org/10.1080/07907184.2020.1833822>
5. **Lulla, Vijay** and Dwyer, Owen (2019). Racial Segregation in Indianapolis, 1990–2010: A Spatial Perspective. *Midwest Social Sciences Journal*: Vol. 22: Iss. 1, Article 8. Available at: <https://scholar.valpo.edu/mssj/vol22/iss1/8> . **Best paper award for the issue.**
6. Perry Hardin, **Vijay Lulla**, Ryan R. Jensen, & John R. Jensen (2018). Small Unmanned Aerial Systems (sUAS) for environmental remote sensing: challenges and opportunities revisited. *GIScience & Remote Sensing* 56(2):309–322 doi: <https://doi.org/10.1080/15481603.2018.1510088>
7. Daniel P. Johnson, J. Jeremy Webber, Kavya Urs Beervall Ravinchandra, **Vijay Lulla**, Austin C. Stanforth (2014) Spatiotemporal variations in heat-related health risk in three Midwestern US cities between 1990 and 2010. *Geocarto International* 29(1): 65–84 doi: <https://doi.org/10.1080/10106049.2013.799718>
8. Johnson D. P., Stanforth, A. C., **Lulla, V.**, Luber, G. C. (2012) Developing an applied extreme heat vulnerability index. *Applied Geography* 35(1-2): 23–31.
9. Johnson, D. P., **Lulla V.**, Stanforth, A. C., Weber J. (2011) Remote sensing of heat-related risks: the trend towards coupling socioeconomic and remotely sensed data. *Geography Compass* 5(10): 767–780.
10. Jensen, R. R., P. J. Hardin, M. F. Bekker, D. A. Farnes, **V. Lulla**, and A. Hardin (2009). Modeling Urban Leaf Area Index with AISA+ Hyperspectral Data. *Applied Geography* 29 (3), 320–332
11. Jensen, R. R., M. W. Jackson, and **V. Lulla** (2008) Single line correction method to remove aircraft roll errors in hyperspectral imagery. *Journal of Applied Remote Sensing* 2:023529
12. Jensen, R. R., G. Yu, P. Mausel, **V. Lulla**, E. Moran and E. Brondizio (2004). An integrated approach to Amazon research – the Amazon Information System. *Geocarto International* 19(3):55–59

Book Chapters

1. **Lulla V.** and A. Banerjee (2016). Some database concepts for use in geographic analysis. David. Cowen(Ed.), *STEM and GIS in Higher Education*. (pp 295–309) ESRI Press. ISBN: 9781589484481
2. **Lulla V.** and R. Jensen (2016). Best practices for Urban hyperspectral remote sensing data acquisition and processing. Gatrell, J., Jensen R., Patterson M., & Hoalst-Pullen N. (eds), *Urban sustainability: Praxis & Place*. (pp 43–54) Heidelberg: Springer. ISBN: 978-3-319-26218-5
3. **Lulla V.**, Austin Stanforth, Natasha Prudent, Daniel Johnson, and George Luber. (2015). Modeling Vulnerable Populations in the Global Context of a Changing Climate. Ahn Roy, Burke Thomas, McGahan Anita M. (Eds.), *Innovations for Healthy Urbanization*. (pp 193–208). Springer. ISBN: 978-1-4899-7597-3.
4. D. P. Johnson, V. Lulla, and A. C. Stanforth. (2013). Intra-urban variations in vulnerability associated with extreme heat events in relationship to a changing climate. In Sara Pryor's

(Ed), Climatechange in the midwest: impacts, risks, vulnerability, and adaptation. (pp. 134–145). Indiana University Press.

5. **Lulla, V.** (2009). Hyperspectral applications in urban geography. In J. D. Gatrell & R. R. Jensen (Eds.), Planning and socioeconomic applications(Vol. 1, pp. 79–86). Springer.
6. Dando, W. A. and **V. Lulla.** (2007). World agriculture and food provisioning. In William A. Dando's Climate change and variations: A primer for teachers. Vol. I. Washington, D.C: National Council for Geographic Education, pp. 157–165.

AWARDS AND RECOGNITION

2020	The George C. Roberts Award Indiana University-Purdue University Indianapolis	Best paper in MSSJ Volume 22(2019) Paper Link
2007	Outstanding Service Award Indiana State University, Terre Haute, IN	Recognition for service to the department of Geography, Geology, and Anthropology
2006	Benjamin J. Moulton Award Indiana State University, Terre Haute, IN	Student Award on Best Evidence of Doctoral Research Skills

GRANDS AND FUNDING

2016–2019	Flight Paths: Mapping our Changing Neighborhoods Role: Subcontract Co-Principal Investigator Agency: National Endowment for Humanities (NEH) Grant: Digital Projects for the Public – Prototyping Grant (MT-263872-19) Amount: \$100,000
2015–2016	Fligh Paths: Mapping our Changing Neighborhoods Role: Subcontract Co-Principal Investigator Agency: National Endowment for Humanities (NEH) Grant: Digital Projects for the Public – Discovery Grant (MT-253242-17) Amount: \$30,000
2014	IU Online Curriculum Enhancement Grant (IU CEG) Role: Co-Principal Investigator Agency: Indiana University Amount: \$14,000