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Education

University of Illinois

PH.D. IN REGIONAL PLANNING

Urbana Champaign

2008

University of Illinois

M.S. IN APPLIED MATHEMATICS

Urbana Champaign

2007

University of Illinois

M.U. P. IN URBAN PLANNING

Urbana Champaign

2004

Indian Institute of Technology

B.ARCH (HONS.) IN ARCHITECTURE

Kharagpur, India

2001

Experience

Department of City & Regional Planning

PROFESSOR

University of North Carolina at Chapel Hill

Jul 2021 - Present

Center for Urban & Regional Studies

DIRECTOR

University of North Carolina at Chapel Hill

Jul 2021 - Jul 2024

Environment, Ecology & Energy Program

ADJUNCT ASSOCIATE PROFESSOR

University of North Carolina at Chapel Hill

Jul 2016 - Jul 2024

School of Architecture, Civil & Environmental Engineering

HOST PROFESSOR

Ecole Polytechnique Fédérale de Lausanne

Jan 2019 - May 2019

Department of City & Regional Planning

ASSOCIATE PROFESSOR

University of North Carolina at Chapel Hill

Jul 2015 - Jul 2021

Department of City & Regional Planning

ASSOCIATE CHAIR

University of North Carolina at Chapel Hill

Jul 2015 - Jul 2017

Department of City & Regional Planning

ASSISTANT PROFESSOR

University of North Carolina at Chapel Hill

Jul 2009 - Jul 2015

Curriculum of Ecology & Environment

ADJUNCT ASSISTANT PROFESSOR

University of North Carolina at Chapel Hill

Jan 2012 - Jul 2016

EDAW Inc.

SUSTAINABILITY SYSTEMS MODELER

Washington, DC

Jan 2008 - Dec 2008

National Center for Smart Growth Research & Education

POST DOCTORAL FELLOW

University of Maryland at College Park

Nov 2007 - Jun 2009

Publications

REFEREED JOURNAL PAPERS

Total number of articles in referred journals: **43**

Branham, J., Salvesen, D., Kaza, N., & K. BenDor, T. (2024). A wrench in the machine: How subsidy removal alters the politics of coastal development. *Journal of the American Planning Association*, 90(1), 18–29. <https://doi.org/10.1080/01944363.2022.2119156>

Hino, M., BenDor, T. K., Branham, J., Kaza, N., Sebastian, A., & Sweeney, S. (2024). Growing safely or building risk? *Journal of the American Planning Association*, 90(1), 1–11. <https://doi.org/10.1080/01944363.2022.2141821>

Kaza, N. (2024). Multiclass compactness index for urban areas. *The Professional Geographer*, 1–11. <https://doi.org/10.1080/00330124.2024.2328689>

DiCarlo, M., Berglund, E. Z., Kaza, N., Grieshop, A., Shealy, L., & Behr, A. (2023). Customer complaint management

- and smart technology adoption by community water systems. *Utilities Policy*, 80, 101465. <https://doi.org/10.1016/j.jup.2022.101465>
- Li, C., Song, Y., Kaza, N., & Burghardt, R. (2023). Explaining spatial variations in residential energy usage intensity in Chicago: The role of urban form and geomorphometry. *Journal of Planning Education and Research*, 43(2), 317–331. <https://doi.org/https://doi.org/10.1016/j.enbuild.2017.10.007>
- Branham, J., Kaza, N., BenDor, T., Salvesen, D., & Onda, K. (2022). Removing federal subsidies from high-hazard coastal areas slows development. *Frontiers in Ecology & Environment*, 20(9), 500–506.
- Kaza, N. (2022). Landscape shape adjusted compactness index for urban areas. *Geoform*, 87(1399-1409). <https://doi.org/10.1007/s10708-020-10262-9>
- Wang, J., Kaza, N., McDonald, N. C., & Khanal, K. (2022). Socio-economic disparities in activity-travel behavior adaptation during the COVID-19 pandemic in North Carolina. *Transport Policy*, 125, 70–78. <https://doi.org/10.1016/j.tranpol.2022.05.012>
- Branham, J., Onda, K., Kaza, N., BenDor, T. K., & Salvesen, D. (2021). How does the removal of federal subsidies affect investment in coastal protection infrastructure? *Landuse Policy*, 102, 105245.
- Kaza, N., & Nesse, K. (2021). Characterizing the regional structure in United States: A county-based analysis of labor market centrality. *International Journal of Regional Science Review*, 44(5), 487–614. <https://doi.org/https://doi.org/10.1177/0160017620946082>
- He, M., Glasser, J., Pritchard, N., Bhamidi, S., & Kaza, N. (2020). Demarcating regions using community detection in commuting networks. *PLOS One*, 15(4), e0230941.
- Kaza, N. (2020). Urban form and transportation energy consumption. *Energy Policy*, 136, 111049. <https://doi.org/https://doi.org/10.1016/j.enpol.2019.111049>
- Onda, K., Branham, J., BenDor, T. K., Kaza, N., & Salvesen, D. (2020). Does removal of federal subsidies discourage development? An evaluation of the US coastal barrier resources act. *PLOS One*, 15(6), e0233888. <https://doi.org/https://doi.org/10.1371/journal.pone.0233888>
- Peng, K., & Kaza, N. (2020). Association between neighborhood food access, household income, and purchase of snacks and beverages in the United States. *International Journal of Environmental Research and Public Health*, 17, 7517.
- Pesantez, J. E., Berglund, E. Z., & Kaza, N. (2020). Smart meters data for modeling and forecasting water demand at the user-level. *Environmental Modelling and Software*, 125, 104633. <https://doi.org/https://doi.org/10.1016/j.envsoft.2020.104633>
- Kaza, N. (2019). Vain foresight: Against the idea of implementation in planning. *Planning Theory*, 18(4), 410–428.
- Onda, K., Sinha, P., Stevens, F., Gaughan, A. E., & Kaza, N. (2019). Missing millions: Undercounting urbanisation in India. *Population & Environment*, 41(2), 126–150. <https://doi.org/10.1007/s11111-019-00329-2>
- Peng, K., & Kaza, N. (2019). Built environment and the purchase of fruits and vegetables in United States households. *Public Health Nutrition*, 22(13), 2436–2447. <https://doi.org/10.1017/S1368980019000910>
- Li, C., Song, Y., & Kaza, N. (2018). Urban form and household electricity consumption: A multilevel study. *Energy and Buildings*, 158(1), 181–193. <https://doi.org/10.1016/j.enbuild.2017.10.007>
- Qiu, S., & Kaza, N. (2017). Evaluating the impacts of the clean cities program. *Science of The Total Environment*, 579, 254–262. <https://doi.org/10.1016/j.scitotenv.2016.11.119>
- Hartley, D. A., Kaza, N., & Lester, T. W. (2016). Are America's inner cities competitive? Evidence from the 2000s. *Economic Development Quarterly*, 30(2). <http://dx.doi.org/10.1177/0891242416638932>
- Kaza, N., Riley, S., Quercia, R. G., & Tian, C. (2016). Location efficiency & mortgage risks for low-income households. *Housing Policy Debate*, 26(4-5), 750–765. <http://dx.doi.org/10.1080/10511482.2016.1159972>
- Kaza, N. (2015). Time dependent accessibility. *Journal of Urban Management*, 4(1), 24–39. <http://dx.doi.org/10.1016/j.jum.2015.06.001>
- McCarty, J., & Kaza, N. (2015). Urban form and air quality. *Landscape and Urban Planning*, 139, 168–179. <http://dx.doi.org/10.1016/j.landurbplan.2015.03.008>
- Zapata, M., & Kaza, N. (2015). Radical uncertainty: Scenario planning for futures. *Environment and Planning B: Planning and Design*, 42(4), 754–770. <http://www.envplan.com/epb/fulltext/bforth/b39059.pdf>
- Kaza, N. (2014). Persons, politics and planning. *Planning Theory*, 13(2), 136–151. <http://dx.doi.org/10.1177/1473095213490687>
- Kaza, N., & Patane, M. (2014). The land use energy connection. *Journal of Planning Literature*, 29(4), 355–369. <http://dx.doi.org/10.1177/0885412214542049>
- Kaza, N., Tian, C., & Quercia, R. G. (2014). Home energy efficiency and mortgage risks. *Cityscape*, 16(1), 279–298. <http://www.huduser.org/portal/periodicals/cityscpe/vol16num1/ch16.pdf>
- Brookshire, D., & Kaza, N. (2013). Planning for seven generations: Energy planning of American Indian tribes. *Energy*

- Policy, 62, 1506–1514. <http://dx.doi.org/10.1016/j.enpol.2013.07.021>
- Kaza, N. (2013). The changing urban landscape of continental united states. *Landscape and Urban Planning*, 110, 74–86. <http://dx.doi.org/10.1016/j.landurbplan.2012.10.015>
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- Kaza, N., Lester, T. W., & Rodriguez, D. (2013). The spatio-temporal clustering of green buildings in the US. *Urban Studies*, 50(16), 3262–3282. <http://dx.doi.org/10.1177/0042098013484540>
- Lester, T. W., Kaza, N., & Kirk, S. (2013). Making room for manufacturing: Understanding industrial land conversion in cities. *Journal of American Planning Association*, 79(4), 295–313. <http://dx.doi.org/10.1080/01944363.2014.915369>
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- Chakraborty, A., Kaza, N., Knaap, G. J., & Deal, B. (2011). Robust plans and contingent plans: Scenario planning for an uncertain world. *Journal of the American Planning Association*, 77(3), 1–17. <http://dx.doi.org/10.1080/01944363.2011.582394>
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- Kaza, N., Towe, C., & Ye, X. (2011). A hybrid land conversion model incorporating multiple end uses. *Agricultural and Resource Economics Review*, 40(3), 341–359. <http://ageconsearch.umn.edu/bitstream/120447/2/kaza-current.pdf>
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- Hopkins, L. D., Kaza, N., & Pallathucheril, V. G. (2005). Representing urban development plans and regulations as data: A planning data model. *Environment & Planning B: Planning and Design*, 32(4), 597–615. <http://envplan.com/epb/fulltext/b32/b31178.pdf>

MANUSCRIPTS

Manuscripts in progress/submitted/accepted: **5**

- Branham, J., Kaza, N., & BenDor, T. (n.d.). Do development disincentives influence land conservation activity? In *Frontiers of Ecology & Environment*.
- Donald, B., Brail, S., Lowe, N., DeLoyde, C., Heatwole, K., Hernandez, F., Hill-Tout, K., Kaza, N., Khanal, K., Planey, D., & Wang, J. (n.d.). The Dashboard is not dead: Dashboards as effective tools in skills building, sense-making and community collaboration. In *Journal of American Planning Association*.
- Kaza, N., Brookshire, D., Toledo, K., Perrit, M., & Murphy, S. (n.d.). Whose plan is it anyway? Energy planning by american indian tribes in the united states. In *Journal of Planning Education and Research*.
- Khanal, K., Lowe, N., & Kaza, N. (n.d.). Retraining for energy transition: A workforce development approach using occupational similarity and unsupervised clustering. In *Economic Development Quarterly*.
- Lester, T. W., Kaza, N., & McAdam, T. (n.d.). Splintered metropolitan opportunity in the united states? Re-examining the 'mismatch' between emerging employment centers and distressed neighborhoods. In *Economic Development Quarterly*.

BOOK CHAPTERS

Total number of chapters in collected volumes: **4**

- Becker, J., & Kaza, N. (2022). Tale of two sprawls: Energy planning and challenges for smart growth 2.0. In A. Chakraborty, R. Lewis, & G. J. Knaap (Eds.), *Handbook on smart urban growth* (pp. 291–302). Edward Elgar.

- Kaza, N., & Knaap, G. J. (2011). Principles of planning for economists. In N. Brooks, G. J. Knaap, & K. P. Donaghy (Eds.), *Oxford handbook of urban economics and planning* (pp. 29–50). Oxford University Press. <http://dx.doi.org/10.1093/oxfordhb/9780195380620.013.0003>
- Kaza, N., & Hopkins, L. D. (2007). Ontology for land development decisions and plans. In J. Teller, J. Lee, & C. Roussey (Eds.), *Ontologies for urban development* (pp. 47–59). Springer-Verlag. http://dx.doi.org/10.1007/978-3-540-71976-2_5
- Hopkins, L. D., Kaza, N., & Pallathucheril, V. G. (2005). A data model to incorporate plans and regulations in urban simulation models. In D. G. Maguire, M. Batty, & M. Goodchild (Eds.), *GIS, spatial analysis and modeling* (pp. 173–202). ESRI Press.