NSF Spatiotemporal Innovation Center

August 2022 Monthly Newsletter

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September 9th, 2022

November IAB Meeting Announcement

The I/UCRC for Spatiotemporal Thinking, Computing and Applications (a.k.a. NSF Spatiotemporal Innovation Center) holds its 18th semi-annual Industrial Advisory Board meeting virtually on November 9, 2022. This meeting reviews the center's innovative research and identifies new projects to be supported through collaborations among academia, industry, and agencies. All center research results are freely shared among members to boost their products, services, and businesses. All companies and agencies (with interest in geospatial and spatiotemporal research themes) are welcome to participate. This is a prime time to become familiar with cutting-edge research results, leverage the innovative outcome for your future products and services, increase your efficiency, improve your competitiveness, and boost your business. This meeting will be virtual on Nov.9 2022 11:00 AM -5:30 PM EST. A tentative agenda is available at https://www.stcenter.net/?page_id=3007.

To register:

https://gmu.zoom.us/meeting/register/tJ0rfuygrD4pE9wPil15LX5WbU1dEgvNvf71

The Geography of Geography

Harvard site executive director, Wendy Guan, recently published a chapter entitled, "The Geography of Geography", in the new book, New Thinking in GIScience. This chapter illustrates the distribution of global leading higher education institutions and compare that with the distribution of those leading the study of geography. This chapter is a contribution to the visionary book on "New Thinking in GIScience" edited by experts from CPGIS to capture the latest advancements and frontiers in theoretical geography.

For further information and/or inquiries, please email Dr. Wendy Guan at wguan@cga.harvard.edu.

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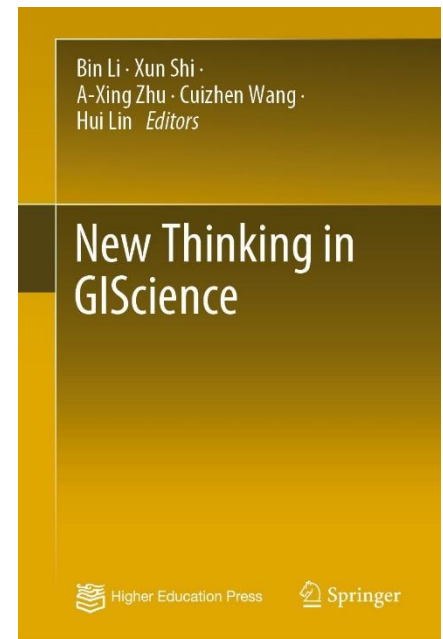
Spatial Variations of Village-Level Environmental Variables from Satellite Big Data and Implications for Public Health–Related Sustainable Development Goals

Xue Liu published his latest paper, "Spatial Variations of Village-Level Environmental Variables from Satellite Big Data and Implications for Public Health–Related Sustainable Development Goals", in the journal, Sustainability. This paper assessed child malnutrition in India and accessed several environmental factors that can pinpoint areas with a high rate of child malnutrition by using vegetation indices, land temperature, elevation, and several other variables. This study has the potential to be applied to other similar regions.

For further information and/or inquiries, please email Dr. Xue Liu at xliu@fas.harvard.edu.
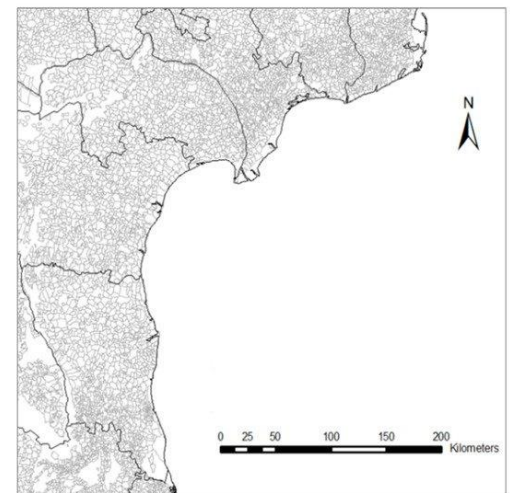
Spatiotemporal Computing RoadMap Workshop Held Successfully

The Spatiotemporal computing workshop was successfully held at University of Washington – Seattle to define the research roadmap for spatiotemporal studies in the next 5-10 years. This meeting reviewed the domain's innovative research and identified new research directions through collaborations among 49 experts from academia, industry, and agencies including, to name a few, NASA, NOAA, Microsoft, Google, Nike, Amazon, City of Seattle, City of Kirkland. All slides and notes are available for download (please email jsmit92@gmu.edu).

You can view the agenda of the 2022 Aug. 18-19 UW-Seattle Workshop on Spatiotemporal Computing Roadmap at 2022 Aug. 18-19 UW-Seattle Workshop on Spatiotemporal Computing Roadmap – stcenter.