Stanford



Kopal Nihar

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Bio

BIO

I am a postdoctoral scholar working with Dr. Catherine Gorle, Dr. Sarah Billington and Dr. Rishee Jain. I also did a PhD from Stanford advised by Dr Rishee Jain at Urban Informatics Lab. My research interest lies in understanding data-driven human-building interactions and impact of indoor air quality on occupant behaviour, especially for the purpose of natural cooling.

STANFORD ADVISORS

- Catherine Gorle, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Predicting indoor personalized heat stress using wearable sensors and data-driven models** *JOURNAL OF BUILDING ENGINEERING*
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- **Tropical climates and the interplay between IEQ and energy consumption in buildings: A review** *BUILDING AND ENVIRONMENT*
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- **Natural ventilation versus air pollution: assessing the impact of outdoor pollution on natural ventilation potential in informal settlements in India** *ENVIRONMENTAL RESEARCH: INFRASTRUCTURE AND SUSTAINABILITY*
  Nihar, K., Nutkiewicz, A., Jain, R. K.
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- **Assessing the Impact of Outdoor Air Pollution on Natural Ventilation Potential of Informal Settlements in India**
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  edited by Saelens, D., Laverge, J., Boydens, W., Helsen, L.
  INT BUILDING PERFORMANCE SIMULATION ASSOC-IBPSA.2022: 2499-2506
- **Optimal Control of Operable Windows for Mixed Mode Building Simulation in EnergyPlus**
  Nihar, K., Bhatia, A., Garg, V., IOP
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