

URBAN TRANSFORMATIONS & REGIONAL RESILIENCE

A VIRTUAL LECTURE SERIES | WEDNESDAY 12:00-1:30 PM (EST) | SPRING 2021

Rapid urbanization is a global phenomenon, with increasing inter-dependence of communities living in highly connected and diverse cities across regions along urban-rural gradients. Increasing frequency and magnitude of multiple disasters, driven by climate and land-use changes, amplify existing technological and socioeconomic vulnerabilities in cities, large and small, and challenges us to reimagine structure and functions of urban spaces. COVID pandemic has increased remote work and e-commerce, both transforming how urban physical assets and infrastructure networks are used and should be transformed. Inherent and persistent inequalities in access to critical services have been laid bare, and amplified the threats to community resilience at urban, regional and national scales.

How should cities and urban communities be transformed to cope with multitude disasters to increase urban and regional resilience and sustainability? How do we address disaster loss-recovery issues based on new scientific advances with empirical testing of resilience/sustainability model analyses for policy making? How do urban planning and governance solutions optimized for a given city or a region translate to other cities and regions? How should trade-offs between security, resilience, and sustainability be balanced?

Several distinguished international colleagues have been invited to present lectures in this semester-long series to discuss multiple dimensions of urban complex systems, as inter-dependent technological, socioeconomic, and ecological systems.

INVITED SPEAKERS

FEB 3	YASUYUKI SAWADA	ADB/UNIV. OF TOKYO
FEB 10*	MARTA GONZALEZ	UC-BERKELEY
FEB 17	RACHEL DAVIDSON	UNIV. OF DELAWARE
FEB 24	JANKI ANDHARIA	TATA INST. OF SOCIAL SCIENCE
MAR 3*	CARSTEN BUTSCH	UNIV. OF KÖLN
MAR 10*	NIKHIL ANAND	UNIV. OF PENNSYLVANIA
MAR 24*	SUSAN CUTTER	UNIV. OF SOUTH CAROLINA
MAR 31*	ANDREA RINALDO	EPFL LAUSANNE
APR 7*	MARC BARTHELEMY	CNRS PARIS
APR 21	DISCUSSION PANEL TBD	
APR 28	DISCUSSION PANEL TBD	

*Date to be confirmed

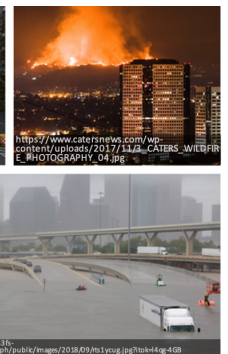
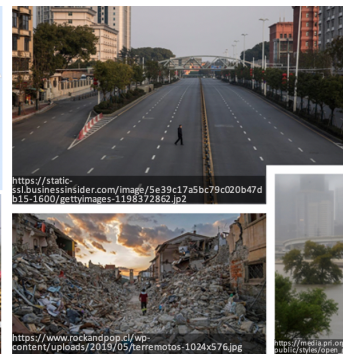
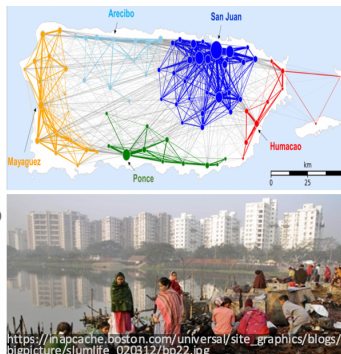
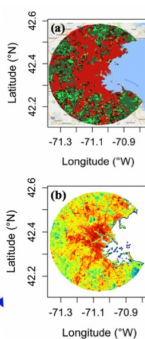
REGISTRATION

ZOOM LINK

<https://purdue-edu.zoom.us/j/9121111111>

CONTACTS

SURESH RAO SURESHRAO@PURDUE.EDU
 SATISH UKKUSURI SUKKUSUR@PURDUE.EDU
 GAIA CERVINI GCERVINI@PURDUE.EDU



THE LECTURE SERIES IS CO-ORGANIZED BY PROFESSOR SURESH RAO AND SATISH UKKUSURI, LYLES SCHOOL OF CIVIL ENGINEERING, AND SPONSORED BY SUPPORT FROM US NATIONAL SCIENCE FOUNDATION, PURDUE UNIVERSITY COLLEGE OF ENGINEERING, AND THE LEE A. REITH ENDOWMENT IN THE LYLES SCHOOL OF CIVIL ENGINEERING



PURDUE UNIVERSITY

LYLES SCHOOL OF CIVIL ENGINEERING