



MONTHLY BRIEF

JOURNAL PUBLICATIONS+WORKING PAPERS

- Two papers by **Dr. Andrea Chegut** and her team have been accepted by *Landscape and Urban Planning*: "[Development of View Potential Metrics and the Financial Impact of Views on Office Rents](#)," coauthored by **Dr. Irmak Turan, Dr. Andrea Chegut, Daniel Fink, and Professor Christoph Reinhart**, and "[The Financial Impact of Street-level Greenery on New York Commercial Buildings](#)," coauthored by **Tony Yang, Helena Rong, Yuhao Kang, Fan Zhang, and Dr. Andrea Chegut**.
- A joint collaboration between the [JTL Urban Mobility Lab](#) and the Sustainable Urbanization Lab (MIT-SUL), "[The Impact of Social Externality Information on Fostering Sustainable Travel Mode Choice: A Behavioral Experiment in Zhengzhou, China](#)," co-authored by **Rachel Luo, Yichun Fan, Xin Yang, Jinhua Zhao and Siqi Zheng**, has been accepted by the journal *Transportation Research Part A*.

MIT/CRE Working Paper Series:

- "[Physical Geography and Traffic Delays: Evidence from a Major Coastal City](#)," by **Albert Saiz and Luyao Wang** explores traffic congestion as a major social problem whose causes include urban sprawl, imbalanced home-job distributions, inequality, and lack of public transportation. They find that places next to geographic obstacles suffer from higher risks of congestion, due to their lower traffic-diffusion ability. Policymakers in transportation may consider specific solutions for congestion arising from constraining physical geographies.
- In "[Subway Expansion and the Rise in the Spatial Disparity of Consumer Amenities](#)," **Adriano Borges Costa, Tabea Sonnenschein, and Siqi Zheng** investigate how subway expansions have impacted the geographic concentration of consumer amenities within four global cities, namely Santiago, Singapore, Barcelona and São Paulo. They find that originally vibrant communities in terms of consumer amenities benefit more than non-vibrant ones in terms of the attraction of new restaurants and shops.
- "[Estimating Market Fundamentals from REIT data](#)," by **David Geltner, Anil Kumar, and Alex Van de Minne** introduces a new methodology for the estimation of fundamental property-level investment real estate time series performance and operating data using real estate investment trust (REIT) data. To demonstrate the methodology and its usefulness, we estimate the time series of property values, net operating income, cap rates, operating expenses and capital expenditures, per square foot of building area, by property type (sector) at a quarterly frequency for multiple specific geographic markets.

ACADEMIC+INDUSTRY PROGRAMS

- The MIT/CRE recently hosted the sixth annual [MIT World Real Estate Forum](#), which featured 35 recognized thought leaders, MIT faculty, innovators, and researchers exploring technology, innovation, and the future of real estate. The conference was a big success, with over 350 registered attendees from 30 countries sharing in a fascinating program, which this year was themed *Resilience & Reinvention: Real Estate in A Time of Fundamental Change*.
- MIT/CRE Faculty Director **Siqi Zheng** was invited to join the editorial board of [Real Estate Economics](#) and [Journal of Real Estate Finance and Economics](#)
- The **MIT School of Architecture and Planning** and the MIT/CRE's collaboration with GetSmarter provides an online learning experience that is specifically designed to help professionals improve their skills without compromising work and family responsibilities. The highly interactive online courses are broken up into weekly modules with incremental deadlines, enabling you to learn around your schedule. Experience 24/7 support from a success advisor, and choose a course payment option that suits you.
 - In the six-week **Data Science in Real Estate** online program which starts on October 13, 2021, you'll explore how the real estate industry is impacted by economic instability and major global shocks. Drawing on insights from MIT faculty and industry experts, learn to use data to assess evolving trends and predict property performance, thereby bringing about certainty in times of uncertainty. [Learn more & register](#)
 - Given the current pace of change around the world, it's become more important than ever to possess the tools to determine the financial viability of potential investments in real estate. In the **Commercial Real Estate Analysis and Investment** online short course, starting on August 18, 2021, you'll develop the skills to successfully evaluate the feasibility of development projects in terms of project costs and benefits. [Learn more & register](#)
 - Gain the knowledge and tools to strategically leverage the real estate opportunities that real and future mobilities have to offer in the **Self-Driving Cars and the Future of Real Estate: Challenges and Market Opportunities** online short course. Throughout the program, which begins October 27, 2021, you'll develop a comprehensive understanding of the current industry state of autonomous vehicles, on-demand delivery, ride-sharing, and micro-mobility. Guided by experts, you'll develop immediately applicable, practical skills that you can use to identify real estate opportunities and solve built environment challenges. [Learn more & register](#)
- MIT/CRE Head of Industry Relations **Steve Weikal** recently had a lively and informative discussion about technology, innovation, and transformation in the real estate industry with his counterpart at Oxford University, **Prof. Andrew Baum**. The session is available to replay [here](#).
- MIT/CRE REI Lab Director **Dr. Andrea Chegut** has been appointed to the advisory committee for the Building 4.0 CRC (Cooperative Research Centers) in Australia to help create a technology platform for architecture, real estate development, urban planning, and engineering.

LAB+PI UPDATES

- The MIT-SUL's Summer Talks series—a small intimate environment for researchers to have in-depth discussions, receive comments, and meet new researchers—has been in full swing. Thank you to all who have been attending! On August 31 from 11:30 a.m.–12:30 p.m. ET, **Dr. Eunjee Kwon** will present her research jointly with **Siqi Zheng** and **Amanda Ang**, called "The Impacts of Asian Immigrants on the Neighborhoods in the US." All are welcome. [Zoom link](#)
- The MIT Tech Tracker Beta was launched at the MIT World Real Estate Forum this month. Developed by the MIT REI Lab as an outcome from an advanced, interactive, and extensive educational experience with JLL, the Tech Tracker is an information and analytics webtool that provides insight into where technologies come from and where they are going. Using proprietary algorithms that predict how technologies are advancing and developing, the tool is designed for investors, occupiers and academics to access unbiased and aggregated technology data that are relevant to them. WREF attendees were given advance beta access to the tool.
- [Toward Urban Economic Vibrancy: Patterns and Practices in Asia's New Cities](#) (SA+P Press, 2020) edited by **Siqi Zheng** and **Zhengzhen Tan** with contributions from **Angie Jo, Colleen Qiu, Victor Jansson, Manish Srivastava, Weizeng Sun, Jianfeng Wu**, and others, was recently included in the [MIT 2021 summer reading list](#).

MIT Center for Real Estate

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