

ANDRES SEVTSUK

Harvard University Graduate School of Design
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EDUCATION

Massachusetts Institute of Technology, PhD in Urban Studies & Planning. *Cambridge, US, 2010*
Dissertation: "Path and Place: A Study of Urban Geometry and Retail Activity in Cambridge and Somerville, MA". Committee: William J. Mitchell, William Wheaton, John de Monchaux, Philip J. Steadman.

Massachusetts Institute of Technology, SMArchS in Architecture and Urbanism. *Cambridge, US, 2006*
Thesis: "The Self-Aware City". Committee: William Mitchell, William Porter, Carlo Ratti.

École d'Architecture de la Ville et des Territoires, Bachelor of Architecture. *Paris, France, 2003*

Estonian Academy of Arts, BArch, 1st and 2nd year studies. *Tallinn, Estonia, 2000*

EMPLOYMENT

Harvard University Graduate School of Design *Cambridge, MA, 2015-*
Assistant Professor of Planning. Director, City Form Lab.

Singapore University of Technology and Design *Singapore, 2011-2015*
Assistant Professor in Architecture and Planning.

University College London *London, 2013 -*
Honorary Senior Lecturer at the Department of *Science, Technology, Engineering and Public Policy*

Massachusetts Institute of Technology *Cambridge, MA 2010-11*
Lecturer in the Department of Urban Studies and Planning and the Department of Architecture.

Massachusetts Institute of Technology *Cambridge, MA 2004-10*
Research Assistant (see specific labs and research projects below).

Jakob+ Macfarlane Architects *Paris, France 2002 – 04*
Project Architect.

COLOCO Landscape Architects *Paris, France 2001*
Intern.

Entec Planning & Consultation *Tallinn, Estonia 2000-01*
Planner / Urban Designer.

TEACHING

Harvard University Graduate School of Design *Cambridge, MA*

Assistant Professor of Planning

- Urban Planning and Design Option Studio in Tallinn, Estonia. *Fall 2017*
- Spatial Analytics of the Built Environment (Urban Planning core) *Fall 2017*
- Advanced Spatial Analysis *Spring 2017*
- Spatial Analysis and the Built Environment (Urban Planning core) *Fall 2016*
- Advanced Seminar in City Form *Fall 2016*
- Spatial Analytics of the Built Environment *Fall 2015*
- First Semester Core Urban Planning Studio (Urban Planning core) *Fall 2015*

Singapore University of Technology and Design*Singapore***Assistant Professor in Architecture and Planning**

- 20.016 Urban Analysis (core) *Spring 2015*
- 20.012 Built Environment and Value (core) *Fall 2014*
- 4.154 - 4.154.04: MIT Circum-Transit: Surabaya in Motion *Spring 2014*
- 20.001 Level 1 Architecture Studio (core) *Fall 2013*
- 11.337, MIT Parametric Urbanism Workshop in Singapore (graduate), co-taught with prof. Brent Ryan. *Spring 2013*
- 3.007, Introduction to Interdisciplinary Design (core). *Fall 2012*
- SUTD Library pavilion design workshop (optional) *Spring 2012*

Massachusetts Institute of Technology*Cambridge, US***Lecturer in Architecture and Urban Studies & Planning**

- 11.306, Hong Kong Urban Design Studio (graduate). *Spring 2011*
- 4.242/11.331, Advanced Seminar in City Form (graduate). *Fall 2010*
- 11.964, Kevin Lynch Award Seminar (graduate). *Fall 2010*
- 11.THG-CDD, Thesis Prep. for Master of City Planning (graduate). *Fall 2010*

Course Collaborator*2007 – 2010*

- 11.303J, Real Estate Development Studio (graduate).
- MAS.552J/4.557J, Smart Cities Workshop (undergraduate / graduate).

Teaching Assistant*2005 – 2007*

- 4.242/11.331, Advanced Seminar in City Form (graduate).
- 4.112, Integrated Architecture Design Studio (undergraduate).
- 4.163/11.332, Level 3 Urban Design Studio in Kiev (graduate).
- 11.303J, Real Estate Development Studio (graduate).

Cornell University*Ithaca, US***Visiting Architectural Design Critic.***2009***Estonian Academy of Arts***Tallinn, Estonia***Visiting Lecturer in Architecture and Urban Studies & Planning***Spring 2012*

- Taught the Measuring City Form course to graduate city planning students.

RESEARCH**Harvard University***Cambridge, MA***Director of City Form Lab***2015- present*

- Future of Streets multi-year research project.
- Urban Accessibility modelling and software development.
- Working on a book on Street Commerce and urban retail location patterns.
- Developed a traveling exhibition on urbanization in Indonesia.
- Grid-structures software development and prototype fabrication
- Research on urban block sizes and walkability

Singapore University of Technology and Design*Singapore***Established in collaboration with MIT****Founding Director of City Form Lab (now at the Harvard GSD)***2011 - 2015*

- Developed a new planning norm for the provision of commercial facilities by the Singapore Housing and Development Board (HDB).
- Studied the effect of urban grid dimensions on walkability.
- Developed a TOD plan for the MRT corridor in Surabaya, Indonesia.
- Developed Urban Network Analysis software tools for urban designers and

- planners.
- Conducted empirical studies of the economic effects of density in two Singapore neighborhoods: Bugis and Punggol.
- Collaborated with the World Bank to develop urban analytic facilities in four Indonesian cities – Surabaya, Denpasar, Palembang and Balikpapan.
- Studied the distribution of retail and food business in Singapore and Los Angeles and Solo.
- Developed new metrics for the World Bank for tracking growth and change of metropolitan areas in Asia from satellite imagery and remote sensing data.
- Designed and built the SUTD library gridshell pavilion (with ARUP engineers).
- Exhibited City Form Lab research at the 2012 World Cities Summit in Singapore and the URA gallery in Singapore.

Massachusetts Institute of Technology

Cambridge, US

Founded and led the City Form Research Group

2010 - 2011

- Developed spatial network analysis tools for GIS
- Supervised undergraduate research assistants
- Edited and published the MIT Journal of Planning Projections 10: *Designing for Growth and Change*.

Researcher for the MIT-Portugal Land Use & Transportation Program

2008 – 2010

- Developed urban form and spatial accessibility models in Portugal for PhD research.

Researcher for the SENSEable City Laboratory

2005 – 2008

- Curated and designed the MIT exhibition on “Cities, Architecture and Society” at the 10th International Venice Architecture Biennale in 2006, leading a team of 12 researchers.
- Managed *Real-Time-Rome*, a research project exhibited at the 2006 Venice Architecture Biennale, which analyzed urban mobility dynamics using mobile network data, leading a team of eight researchers.
- Managed the *Graz Mobile Landscapes*, a real-time mapping of mobile phone movements in Graz Austria, exhibiting at the Kunsthaus Graz Oct. – Dec. 2005 and leading a team of four researchers on the project.
- Led *iSPOTS*, a real-time mapping of the MIT campus based on the WiFi network usage, leading a team of five researchers on the project.

Research Assistant for the MIT Media Laboratory, Smart Cities Group

2007

- Analyzed the urban design & economics of a large scale one-way electric vehicle rental system in Taiwan.
- Researched and designed the MIT City Car with prof. Mitchell and a team of researchers.

Research Assistant for the Digital Mile Workshop in DUSP/MediaLab

2005

- Prepared base materials for an urban design studio in Zaragoza, Spain.
- Researched and developed urban design proposals for an urban regeneration project in Zaragoza, Spain.

FUNDED RESEARCH

Ford Smart Mobility seed grant for Future of Streets research at Harvard. \$ 40,000. PI.

Harvard University, Graduate School of Design. Dean's Annual Research Grant Award. \$ 10,000.

Harvard University, start-up research fund at the Graduate School of Design. \$ 10,000.

National Research Foundation of Singapore. Research on *Future Urban Form for Singapore*. In collaboration with the LKY Center for Innovative Cities. S\$ 456,000. Role: Co-investigator.

Singapore Housing Development Board. Research on Commercial Facilities in HDB towns. In collaboration with Savills Real Estate Management (Mr. Alan Cheong) and Mrs. Belinda Yuen, SUTD. S\$160,000. Role: one of three core research team members.

National Research Foundation and Urban Redevelopment Authority of Singapore, Future of Urban Form in Singapore research under the joint Future of Cities project between the Singapore and UK governments (2014-2015). S\$ 600,000. Role: Co-Investigator.

The SUTD International Design Center. City Form Lab research grant for “Urban Analysis in Indonesian cities”. (2013-2014). S\$100,000. Role: Principal Investigator.

Grant from the Singapore Ministry of Education for “Modeling Cities in China Under Complexity and Uncertainty”. In collaboration with Prof. Haoying Han (Zhejiang University, China). (2013-2014) S\$ 50,000. Role: Principal Investigator.

The SUTD International Design Center. “City Form Lab research”. (2011-present). \$660,000. Role: Principal Investigator.

Singapore University of Technology and Design. “Start-up Research Grant for City Form Lab”, (2011-present). \$100,000. Role: Principal Investigator.

MIT-SMART. Research collaboration agreement with MIT-SMART in order to jointly investigate the factors affecting walkability and pedestrian activity in Singapore. (2011-present) S\$2,000. Role: Principal Investigator on the SUTD side.

SELECTED CONSULTING PROJECTS

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| Consultant for the World Bank Indonesia Consulting Services for Denpasar City Government on Housing and Slums Participatory Urban Design and Planning Workshop. | <i>Denpasar, Indonesia, 2014</i> |
| Consultant for the World Bank Indonesia Consulting Services for Surabaya Urban Corridor on Transit Oriented Development Program. | <i>Surabaya, Indonesia, 2013-2014</i> |
| Consultant for the World Bank Indonesia Lead consultant for implementing urban growth, land use, and land-market technical support facilities in four Indonesian cities – Palembang, Surabaya, Denpasar and Yogyakarta. | <i>Surabaya, Denpasar, Palembang, Balikpapan, Indonesia, 2013-</i> |
| Consultant for the World Bank DC Developed metrics to quantify urban expansion in the East Asia and Pacific regions using satellite imagery and remote sensing data. | <i>Washington, DC, 2012</i> |
| Consultant for the Singapore Urban Programming Festival Developed festival and exhibit contents for the first bottom-up urban software development and <i>Smart Cities</i> event in Singapore. | <i>Singapore, 2011</i> |
| Estonian World EXPO 2010 committee “Better City, Better Life” Developed the exhibit contents for the Estonian Pavilion at Shanghai EXPO. | <i>Shanghai, China, 2009</i> |
| World EXPO 2008 Led the programming and user interface development for the Digital Water Pavilion, built for the opening of the Expo in collaboration between MIT and C. Ratti Associates. | <i>Zaragoza, Spain, 2008</i> |

HONORS

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| Winner of the SUTD Outstanding Education Award 2014 for Excellence in Research | <i>Singapore, 2015</i> |
| Winner of the 2014 President's Design Award in Singapore "Design of the Year" category for the SUTD library pavilion project. Together with Raul Kalvo and ARUP engineering. | <i>Singapore, 2014</i> |
| Selected as a Global Young Scientist for the Singapore Global Young Scientists Summit 2014 The summit brings together over globally eminent speakers, ranging from Nobel Laureates, Fields Medallists, Millennium Technology Award and Turing Award winners, and IEEE Medal of Honor recipient. | <i>Singapore, 2014</i> |
| Best Paper Award Received the best paper award for the "Freeform Surface Fabrication Method with 2D Cutting" paper presented at the 2014 Simulation for Architecture and Urban Design (SimAUD) conference in Tampa, FL, 2014. | <i>Tampa, US 2014</i> |
| Best Paper Award Received the best paper award for the "Urban Network Analysis Toolbox" article presented at the Simulation for Architecture and Urban Design (SimAUD) 2012 conference. | <i>Orlando, US 2012</i> |
| Winner of the International Buckminster Fuller Challenge 2009 Won the first prize with the Mobility-On-Demand project with a team of 5 from the MIT MediaLab. | <i>Chicago, US 2009</i> |
| Time Magazine Best Inventions of 2007 Held key roles in two selected projects: MIT City Car and the Digital Water Pavilion. | <i>Time Magazine November 12, 2007</i> |
| Presidential Fellow at MIT Received the fellowship for doctoral studies in Urban Studies and Planning. | <i>Cambridge, US 2006 – 2007</i> |
| Ron Brown Fellowship by the US Fulbright Commission and IIE Was awarded a two-year full fellowship for Urban Design studies at MIT. | <i>Tallinn, Estonia 2004 – 2006</i> |
| Crossroads for Ideas by the British Council Selected as a "rising star" urban designer for an ideas exchange program in UK & Estonia. | <i>London, UK 2004</i> |

ARCHITECTURE AND PLANNING COMPETITION AWARDS

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| International Tallinn Harbor Masterplanning Competition Shortlisted among six teams (together with Kees Christiaanse Architects and Planners) to prepare a Masterplan proposal for Tallinn Harbor. | <i>Tallinn, Estonia, 2017</i> |
| President's Design Award Design of the Year for the SUTD Gridshell project | <i>Singapore 2014</i> |
| Winner of the "Timber Structure of the Year" award (plywood category) Award given for the SUTD library pavilion that we designed at the City Form Lab, together with Raul Kalvo. | <i>Tallinn, Estonia, 2013</i> |
| Greater Boston Affordable Housing Competition Won the second prize with a team from MIT, Harvard, and BAC | <i>Boston, MA (2009)</i> |
| ICCC & UN HABITAT International Student Design Competition Won the Caring for the Ageing Population Urban Design Competition, together with N. Nilina. | <i>Tver, Russia (2004)</i> |
| Architectural Competition for the Parnu Athletics Indoor Arena Won the third prize with M. Tuur. | <i>Parnu, Estonia (2004)</i> |

Architectural Competition for a new theatre hall for the City Theatre
Won the third prize with G. Evangelisti and M. Tuur.

Tallinn, Estonia
(2003)

Architectural Competition for a Joint Music and Ballet school
Won the third prize with G. Evangelisti and M. Tuur.

Tallinn, Estonia
(2003)

PUBLICATIONS

Refereed Academic Books

Sevtsuk, A., "Street Commerce. The Hidden Structure of Amenity Location Patterns and Vibrant Public Space".
Upcoming with University of Pennsylvania Press in 2018.

Refereed Journal Articles

Amindarbari, R., Sevtsuk, A., 2018, "Measuring the Spatial Structure of American Metropolitan Areas". In peer review. Upcoming.

Sevtsuk A., Chong, K., 2017, "Amenity Oriented Development". In peer review. Upcoming.

Hidalgo, C. A, Castañer, E. E., Sevtsuk, A. 2017. "Amenity Mix and The Evolution of Retail and Service Clusters". In peer review. Upcoming.

Sevtsuk, A., Kalvo, R. 2017. Patronage of urban commercial clusters: a network-based extension of the Huff model for balancing location and size. *Environment and Planning B: Urban Analytics and City Science*. Issue 0(0). pp. 1-21.

Sevtsuk, A. (2017). Public Space in a Polycentric Metropolis. In *Jakarta: Models of Collective Space for the Extended Metropolis*. Eds. Correa, F. and Strange, C. Harvard University Graduate School of Design, 2017.

Sevtsuk, A., Kalvo, R., & Ekmekci, O. (2016). Pedestrian accessibility in grid layouts: the role of block, parcel and street dimensions. *Urban Morphology*, 20(2), upcoming in September.

Sevtsuk, A., & Kalvo, R. (2016). Urban Network Analysis Toolbox for Rhinoceros 3D. *Planning and Technology Today*, (issue no. 112), 4–5.

Sevtsuk, A., 2014, "Location and agglomeration: The distribution of retail and food businesses in dense urban neighborhoods". *Journal of Planning Education and Research JPER* (Accepted, July 16, 2014).

Mohsenin, M. and Sevtsuk, A., 2013, "The impact of street properties on cognitive maps" *Journal of Architecture and Urbanism* Volume 37(Issue 4) 301–309.

Sevtsuk, A., Ekmekci, R., Nixon, F., Amindarbari, R., "Capturing Urban Intensity" in *Evidence Based Design Journal (EBDJ)*, August 2014.

Sevtsuk, A., & Mekonnen, M. 2012. "Urban Network Analysis Toolbox". *International Journal of Geomatics and Spatial Analysis*, 22(2), pp. 287–305.

Sevtsuk, A., 2012. Urban Network Analysis Simplified. *Geospatial Today*, Issue 11: November 2012. pp.44–45.

Sevtsuk A., Ratti C. "Does urban mobility have a daily routine? Learning from the aggregate data of mobile networks," *Journal of Urban Technology*, Vol 17, No. 1, April 2010.

Reades, J., Calabrese, F., Sevtsuk, A., and Ratti, C., 2007, "Cellular Census: Explorations in Urban Data Collection". IEEE Pervasive Computing, 6(3), 30-38. IEEE Computer Society.

Book Chapters

Sevtsuk, A., 2012. "Analysis and Planning of Urban Networks". In K. A. Zweig, ed. Encyclopedia on Social Network Analysis and Mining. Springer.

Sevtsuk, A., 2013 "Networks of the built environment", in D. Ofenhuber & C. Ratti, eds. *[De]coding the Tity – How Big Data Can Change Urbanism*. Birkhäuser.

Sevtsuk A., Huang S., Calabrese F., Ratti C., 2009, "Mapping the MIT Campus in Real Time Using WiFi", Foch, M. (Ed), Handbook of Research in Urban Informatics: The Practice and Promise of the Real Time City. IGI Global.

Mitchell W. J., Chin R., Sevtsuk A., (2008), "The Media Laboratory City Car: A New Approach to Sustainable Urban Mobility" in Peter Droege (Ed.), "Urban Energy Transition", Elsevier Science.

Mitchell W. J., Sevtsuk A., 2009, "Unfrozen Music: Designing & Programming Digital Water Walls." In Digital Water Pavilion at Zaragoza's Milla Digital and Expo 2008. Electa Publishers.

Sevtsuk A., 2006, "Real-time Space Management ", in "Joint Space, Open Source on Mobile Positioning and Urban Studies", Positium OU Publishers.

Current Working Papers

Sevtsuk, A., 2014, "Mapping the Elastic Public Realm". Presentation at the ACSA International Conference in Seoul, Korea. June 2014. In peer review at JPER.

Sevtsuk, A., & Mekonnen, M. Kalvo, R., 2014, Redundancy Tools for Urban Network Analysis. Paper presented at the 2014 ESRI GeoDesign Summit, in Redlands, CA in Jan 2014. In peer review in EP+B.

Sevtsuk, A., Ekmekci, O., 2014. Accessing Singapore's Rail Corridor: From a Restricted Place to a Well-Integrated Green Space. (Presented at the 2014 International Design Center Summit, in Singapore, Jan 2014).

Sevtsuk, A., Scoppa, M. 2014. "The spatial distribution of jobs in semi-formal settlements: The Case of Solo, Indonesia." (presented at the 2014 International Design Center Summit, in Singapore, Jan 2014)

Sevtsuk, A., Amindarbari, R., 2013. "Measuring Growth and Change in Metropolitan Form". Urban Affairs Association 43rd Conference in San Francisco, CA (April 2013).

Conference Papers

Sevtsuk, A. 2017 "Integrating Urban Analytics and Design". Association of Collegiate Schools of Planning annual conference in Denver, CO.

Sevtsuk, A., 2013. "Parametric Urbanism". Finnish Annual Symposium of Architectural Research, Tampere (August 2013).

Sevtsuk, A., Ekmekci, R., Nixon, F., Amindarbari, R., 2013. "Capturing Urban Intensity". Urban Affairs Association Annual Conference, San Francisco, CA (April 2013).

Sevtsuk, A., Kalvo, R., 2013. "Freeform surface fabrication method with 2D cutting". 18th International Conference of the Association of Computer-aided Architectural Design Research in Asia (CAADRiA 2013), Singapore.

Sevtsuk, A., 2012, "How we shape our cities, and then they shape us", MAJA the Estonian Architectural Review, 2-2012 (72), pp. 10-15, 2012.

Sevtsuk, A., Mekonnen, M. 2012. Urban Network Analysis: A New Toolbox for Measuring City Form in ArcGIS. Simulation in Architecture and Urban Design (SimAUD) Conference, in Orlando, FL. Proceedings Published in August 2012.

Sevtsuk, A., 2012. "Retail location choices in dense urban settings". Applied Urban Modelling (AUM) conference at Cambridge University, UK June 2012.

Sevtsuk, A., 2012. "Urban Network Analysis", American Association of Geographers (AAG) annual meeting in New York City, February, 2012.

Sevtsuk, A., 2012. "Urban Network Analysis Toolbox for ArcGIS". ESRI Geodesign Summit, Redlands, CA, January 2012.

Sevtsuk, A., 2008, "Explorations into Urban Mobility Patterns Using Aggregate Mobile Network Data", MIT Portugal Program Working Paper # TSI-SOTUR-08-03, unpublished.

Ratti, C., Sevtsuk, A., Huang, S., Pailer, R., 2005, Mobile Landscapes: Graz in Real Time. Paper presented at the 2005 LBS conference in Vienna, Austria.

Sevtsuk, A., Ratti, C., 2007, Mobile Surveys, in Van Schaick, J. & Van der Spek. S.C. (eds.) 2007b, Pre-proceedings: International Expert Meeting Urbanism on Track: Expert Meeting on the Application in Urban Design and Planning of GPS-based and other tracking-based technologies, Delft School of Design, Faculty of Architecture, DUT.

JOURNAL EDITING

Currently Guest Editor for the Design Science Journal, Thematic Collection on Design and Mobility.

<http://www.designsciencejournal.org>

Edited the MIT Journal of Planning Projections 10, chose the topic "Designing for Growth & Change". February 2011, MIT Department of Urban Studies and Planning.

<http://cityform.gsd.harvard.edu/projects/projections-10-designing-for-growth-and-change>

JOURNAL REVIEWING

Environment and Planning B

Urban Morphology, the Journal of the International Seminar on Urban Form

Journal of Urban Design

Journal of Planning Education and Research

SELECTED PRESENTATIONS

Presentation the Summit on Data Smart Government on "Challenges and Opportunities in Transportation Data". Harvard Kennedy School, November 2017. Cambridge, MA. USA.

Presentation at OECD Paris on "Improving transport planning and investment through the use of accessibility indices". October 2017, Paris, France.

Presentation at the Harvard Center for Geographic Analysis on "Integrating Urban Analytics and Design", October 2017. Cambridge, MA. USA.

Presentation at the Association of Collegiate Schools of Planning annual conference on “Integrating Urban Analytics and Design”. October 2017, Denver, CO. USA.

Presentation on Applied Spatial Analysis to the World Bank Knowledge Days. June 2017. Washington, DC.

Presentation at the Tallinn Center Urban Forum. June 2017, Tallinn, Estonia.

Presentation at the Amazon Radical Urban Transport Salon, May 2017. Seattle, WA.

Keynote presentation at the Estonian Economics Association Annual Conference. January 2017, Tallinn, Estonia.

Open Lecture (public) on *Integrating Transit and Land Use Planning for a Sustainable Urban Core in Tallinn*. December 2016, Tallinn, Estonia.

Presentation at the *Workshop on Confronting Violence and Vulnerability in the Urban Century*, Ford Foundation. Pittsburg, PA.

Presentation at the Inaugural Conference on Heliomorphism by the GSD Office for Urbanization. September 2016, Cambridge, MA.

Presentation of newly released Urban Network Analysis tools for Rhinceros3D in various universities and urban planning/design firms, including ETH, EPFL, MIT, Harvard, Columbia University, UCL, SOM, KPF, AECOM, Foster and Partners, Perkins+Will, SASAKI, Sorkin Studio, KCAP, and ARUP. Spring 2015 till now.

Paper presentation at the UN Habitat Future of Places conference in Buenos Aires, Argentina. “The Perfect Grid”. August 2014.

Paper presentation at the ACSA international conference in Seoul, Korea. “Mapping the Elastic Public Realm. June 2014.

Invited presentation of Urban Spatial Analysis at the Singapore Geospatial Hackathon, June 2014.

Invited presentation of City Form Lab research at the Department of Planning, Surabaya Institute of Technology, March 2014.

Paper presentation at the ESRI Geodesign Summit in Redlands, CA. “Redundant Paths for Urban Network Analysis” with Raul Kalvo and Michael Mekonnen, January 2014.

Invited speaker and panelist at the Oman Competitiveness Forum 2013, in conjunction with the World Economic Forum. “Cities as Networks for Interaction”. Muscat, Oman, November, 2013.

Keynote Speaker at the International Real Estate Conference in Tallinn, Estonia. “Contemporary directions in urban design and the role of the real-estate market”, Nov 2013.

Invited Keynote Speaker at the 5th Annual Symposium of Architectural Research in Tampere, Finland. “New Frontiers in Urban Spatial Analysis”, August 2013.

Invited presenter at the 2nd Urban Sustainability R&D Congress in Singapore. “Kopi, Groceries and Haircuts: What Makes or Breaks Amenities in High-density Neighborhoods of Singapore?”, June 2013.

TEDx Yangon: invited public presentation at TEDx Yangon on “Designing for Growth and Change”. Yangon, June 2012. <https://vimeo.com/61807996>

Invited Keynote Speaker at Archifest 2012 Forum in Singapore on “Reinventing Urban Data”. Singapore, October 2012.

Invited lecture at Singapore National Environment Agency’s Innovation for the Environment Series on “Capturing Urban Intensity”. Singapore, November 2012. <http://www.youtube.com/watch?v=mhnlQpyjJoY>

Invited Keynote Speaker at Nordic Look 2012, the Nordic Council of Ministers annual design and innovation summit. “How we shape our cities and how then they shape us”. Tallinn, May 2012. <https://vimeo.com/44446284>

Invited lecture at the Urban Redevelopment Authority’s Challenge for the Urban and Built Environment (CUBE), November 2012. Singapore, November, 2012.

Lecture about SUTD City Form Lab’s research at the Center for Advanced Spatial Analysis (CASA), University College London. London, November 2012.

Invited speaker at Archifest public lecture series on “Urban Prototyping”. Singapore, October 2012.

Invited speaker at Archifest public lecture series on “Reinventing Urban Design Research”. Singapore, October 2012.

Invited presentation at MIT SMART on “Destinations and Detours: A Study of Walkability in Singapore”. Singapore, July, 2012.

Invited presentation at the ETH Future Cities Lab on “Path and Place: A Study of Urban Geometry and Retail Activity in Cambridge and Somerville, MA”. Singapore, April 2012.

World Expo 2010, Better City, Better Life, Shanghai, China. Keynote presentation at the opening ceremony of the Estonian Pavilion on Urban Design & Planning in the 21st century (May 2010)

ICSID World Design Congress, Singapore. Presentation on the Smart Cities Group work of the MIT MediaLab (November 2009)

World Expo 2008, H2O, Zaragoza, Spain. Presented the Digital Water Wall at the opening ceremony of the Digital Water Pavilion (June 2008)

2nd International HOLCIM Forum for Sustainable Construction: Urban Trans-Formation, Shanghai, China. Presented urban computing research (April 2007).

10th International Venice Architecture Biennale, Venice, Italy. Opening presentation of the MIT exhibition on cities and technology (September 2006)

M-Cities Exhibition, Kunsthaus Graz, Austria. Opening presentation at the MIT SENSEable City Lab exhibition “Graz Mobile Landscapes” (September 2005).

PATENTS

Grid-Structure Utility Patent

Publication number US9458620 B2

Publication type Grant

Application number US 14/777,244

PCT number PCT/SG2014/000132
Publication date Oct 4, 2016
Filing date Mar 17, 2014
Priority date Mar 15, 2013
Also published as US20160024780, WO2014142763A1
Inventors Andres Sevtsuk, Raul Kalvo
Original Assignee Singapore University Of Technology And Design
<https://www.google.com/patents/US9458620>

PROFESSIONAL ORGANIZATIONS

Association of Collegiate Schools of Planning
Association of Collegiate Schools of Architecture
American Association of Geographers
American Planning Association

AFFILIATIONS

Faculty Affiliate with the Center for Green Buildings and Cities, Harvard University.
Faculty Affiliate with the Center for Geographic Analysis, Harvard University.

RESEARCH INTERESTS

Urban Design and Development, Transportation, Theory of City Form, Informality, Walkability, Computational Spatial Analysis, Urban Morphology, Location Theory, Urban Economics, Simulation Modeling, Public and Pedestrian Mobility, Urban History, International Development.

LANGUAGE PROFICIENCY

Native language, Estonian. Fluent in English and French. Proficient in German and Russian. Beginner in Spanish.