

AUM2020: Modelling the New Urban World

An online series of conversations during **15 October – 3 December 2020**

Online global workshop on **28 January 2021**

Hosted by Martin Centre for Architectural and Urban Studies, University of Cambridge

(Working version 1.2)

Draft Programme for the online conversation series

Date and time	Session details
Thursday	AUM2020 Launch
15 October 3-5pm (GMT+1)	Take stock, consider the fundamentals, and look forward: a conversation with Michael Batty, Marcial Echenique and Michael Wegener
	Session chair: Ying Jin, University of Cambridge
	Status report: Around the globe
Thursday	Yoshitsugu Hayashi, University of Tokyo / Chubu University
22 October 3-5pm (GMT+1)	Emerging issues of COVID-19 in transport and land use: analysing evidence reports from different countries
	Bert van Wee, Delft University of Technology
	Land use/transport interaction models post Covid-19
	Discussant: Ian Williams, Ian Williams Services
Monday	Emerging insights into autonomous driving
26 October 3-5pm (GMT)	Rolf Moeckel, Technical University of Munich Urban sprawl or reurbanization? An agent-based simulation of autonomous vehicles and household relocation
	Kara Kockelman, University of Texas at Austin
	Large-scale shared autonomous vehicle simulations with geofences, stop aggregation, and parking restrictions

	Discussant: Robert Cervero, University of California Berkeley
Thursday	Taking a long view: the effects of transport investments (extended session)
29 October	Stephen Redding, Princeton University
3-5pm (GMT)	The making of the modern metropolis: evidence from London
	Discussant: tbc
Thursday	Effects of the COVID-19 pandemic: from monitoring to modelling
5 November	Kay Axhausen, ETH Zurich
3-5pm (GMT)	Tracking the pandemic in Switzerland: Transport impacts
	John Douglas Hunt, University of Calgary
	Assessing spatial economic impacts of COVID-19 using Edmonton PECAS
	Discussant: tbc
Thursday	The economics of cities
12 November	Geoffrey Hewings, University of Illinois at Urbana-Champaign
3-5pm (GMT)	Modelling the internal structure of metropolitan economies
	Alex Anas, University at Buffalo, State University of New York
	Modelling the effects of public transport megaprojects on the internal organization and growth of cities
	Discussant: Michael Wegener, Spiekermann & Wegener Urban and Regional Research
Thursday	The microscopic dimensions

19 November	Eric Miller, University of Toronto
3-5pm (GMT)	Experiments in using agent-based microsimulation to model COVID-19 and other urban disruptions
	Alison Heppenstall, Nicholas Malleson, University of Leeds
	[Agent based modelling]
	Discussant: Michael Batty
Thursday	[Spatial modelling – speakers being confirmed]
26 November	
3-5pm (GMT)	
	Discussant: tbc
Thursday	Concluding session
3 December	Quick fire responses to the talks
3-5pm (GMT)	Round table for general discussion on future directions
	Summary of the series
	Chair: Marcial Echenique, University of Cambridge

Timelines for the online AUM2020 global workshop

18 September 2020	Call for presentations launched
18 December 2020	Deadline for submitting abstract for and draft pdf of presentations
6 January 2021	Confirmation of presentation selection
21 January 2021	Submission of final pdf presentation and optional presentation recording
28 January 2021	Online global workshop day