



Sustainable Urban Design: Urban Externalities and Land Use Planning

Guest Editors:

Prof. Dr. Tatsuhiro Kono

Graduate School of Information Sciences, Tohoku University, Aoba 6-3-6, Sendai 980-8579, Japan

Dr. Nao Sugiki

Department of Architecture and Civil Engineering, Toyohashi University of Technology, 1-1 Tempaku-cho, Toyohashi, Aichi 441-8580, Japan

Deadline for manuscript submissions:

closed (12 November 2021)

Message from the Guest Editors

Urban externalities, such as agglomeration economies, traffic congestion, pollution, and a natural ecosystem, strongly affect the quality of urban life as well as the sustainability of cities. These externalities are related to each other. For example, exhaust gas due to road traffic causes air pollution, while agglomeration economies attract people at business areas, which increases population density at every location and brings about urban sprawl. Urban sprawl, furthermore, damages the natural ecosystem and increases traffic. In this manner, the interaction among urban externalities is very complex and spatially heterogeneous. Thus, it is necessary to elucidate the complex and spatial mechanisms when designing policies for urban externalities. This Special Issue focuses on designing land use and transportation policies with urban modeling. Land use and transportation policies can increase welfare and contribute to the sustainability of a city, changing the relative accessibility of various locations and agents and urban externalities.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI