

Hayashi Yoshitsugu

Position/Department/Division/Institution/Organization

President, The Japanese Association of The Club of Rome

Professor and Director, Center for Sustainable Development and Global Smart Cities, Chubu University, Japan

Emeritus Professor, Nagoya University, Japan

Ex-President & Chair of COVID-19 Taskforce, WCTRS (World Conference on Transport Research Society)

Country

Japan

Career history

Prof. Yoshitsugu Hayashi is Emeritus Professor of Nagoya University and Professor of Chubu University, Japan. He is also ex-President of WCTRS (World Conference on Transport Research Society) which attracts more about 1,500 researchers and practitioners in all modes of transport with multi-disciplinary approaches, from 80 developing and developed countries/regions.

His research focuses on urbanization and motorization and the countermeasure policy to overcome their negative impacts. His rail oriented urban reform plan in 1996 became a trigger to overcome Bangkok's hyper congestion in mid-90's resulted in reversing the budget of road vs. rail from 1:99 in 90's to 82:14 in Transport 2020 Plan.

The current research is focused on a measurement method of individual's Quality of Life by attributes (age, gender, income, etc.) and by living place considering accessibility to hospitals & shops, amenity, safety & security and environment. This has been applied for planning to make growing and shrinking/aging cities resilient and sustainable.

Awards/Publications

- Yoshitsugu Hayashi, KE Seetha Ram, and Shreyas Bharule, (2020), Handbook on High-Speed Rail and Quality of Life, ADBIPress
- Yoshitsugu Hayashi, Masafumi Morisugi, Sho-ichi Iwamatsu (2020), Balancing Nature and Civilization - Alternative Sustainability Perspectives from Philosophy to Practice, Springer
- Ernst von Weizsäcker, Anders Wijkman, Yoshitsugu Hayashi (Section3) (2017), Come On! Capitalism, Short-termism, Population and the Destruction of the Planet~The Club of Rome 50th Anniversary Report~, Springer
- Yoshitsugu Hayashi, Tetsuzo Yasunari, Hiroshi Kanzawa, Hirokazu Kato (Eds.) (2016),

Climate Change, Energy Use, and Sustainability: Diagnosis and Prescription after the Great East Japan Earthquake (SpringerBriefs in Environment, Security, Development and Peace), Springer

- Yoshitsugu Hayashi, Yasuhiro Suzuki, Shinji Sato, Kenichi Tsukahara (Eds.) (2015), Disaster Resilient Cities: Concepts and Practical Examples, Butterworth-Heinemann
- Hayashi Y., Morichi S., Oum T.H., Rothengatter, W. (Eds.) (2014), Intercity Transport and Climate Change - Strategies for Reducing the Carbon Footprint, Springer
- Kirti Bhandari, Yoshitsugu Hayashi (2011), Mass rapid transit and its impact assessment: Case of Delhi Economy, Equity, Environment, LAMBERT Academic Publishing
- Rothengatter, R. Hayashi Y. and Wolfgang S. (eds.) (2010), Transport Moving to Climate Intelligence: New Chances for Controlling Climate Impacts of Transport After the Economic Crisis, Springer-Verlag

Areas of expertise

- Analysis of mechanism of economic development, urbanization and motorization, and their positive influence on quality of life and negative ones on urban sprawl, infrastructure maintenance cost, air pollution and climate change in the developing countries
- Evaluation of the social capitalisation and QOL (Quality of Life), and inheritability of urban space of Japanese cities
- International collaborative research on transport, environmental load and greenage of the automobile taxes
- Study on the visualization of urban land taxation and city planning system by GIS and CG methods and the consensus formation process by internet