



MUTU TANTRIGE OSADA VISHVAJITH PEIRIS

LECTURER/ URBAN PLANNER

PROFESSIONAL SUMMARY

Dr. Vishvajith is an urban planner, environmental consultant, and higher education trainer. He is a lecturer from the University of Moratuwa, Sri Lanka, and a professional urban planner and water management expert. His research interests include urban resilience, the role of public space in cities, and water-sensitive urban management, with publications in peer-reviewed journals and at conferences.

CONTACT

Phone: +94 70 671 4075/ +94 77 571 4075

Email: mtovpeiris@gmail.com/ vishvajithp@uom.lk/
vishvajith.peiris@connect.hku.hk

Address: Department of Town & Country Planning,
University of Moratuwa, Katubedda, Sri Lanka.

LinkedIn: Osada Peiris

ORCID ID: 0000-0001-5802-9517

Scopus ID: 57769622900

Web of Science ID: LDG-4496-2024

Google Scholar: Osada Vishvajith Peiris

WORK EXPERIENCE (FULL TIME)

Lecturer/ Researcher | 2018 - to date

Department of Town and Country Planning, University of Moratuwa, Sri Lanka

- Teaching undergraduate and postgraduate programs, including field visits and studio design project coordination
- Conduct research and supervision of undergraduate research, assist with publications, and grading
- Coordinate industrial training placements and monitor student performance through consultative meetings
- Assist in the quality assurance committee of undergraduate coursework and collaborate for undergraduate course review and accreditation of undergraduate degree programs

PhD Researcher/ Tutor | 2021 - 2025

Department of Urban Planning and Design, The University of Hong Kong, Hong Kong

- Conduct PhD research on Urban Resilience to Floods: An interplay of Natural, Built, and Social Interactions in Cities
- Attend International Conferences and Publications in Peer Reviewed Journals
- Conduct Tutoring for Undergraduate and Graduate Courses and Attend Workshops on Teaching and Learning Process

Urban and Regional Planner | 2015 - 2018

Ministry of Megapolis and Urban Development, Government of Sri Lanka

- Preparation and coordination of the development of a regional plan for Colombo city and suburbs with the collaboration of local and international experts in the field.
- Team lead for regional analysis and database preparation for master plan preparation, spatial strategies, and development regulations for proposed investment proposals.
- Collaborate with Surbana Jurong Limited, an international consultancy company, for technical exchange in a comprehensive regional development plan review.

Senior Executive - Marketing, Operations, and Technical | 2011 - 2014

Klaro Lanka Private Limited, Sri Lanka

- Sales and marketing of wastewater treatment plants, commissioning, and conducting workshops to improve the technical know-how in water management.
- Collaborate with local law enforcement agencies and share knowledge with international partnering agencies

WORK EXPERIENCE (CONTRACT)

Training of teachers and lecturers on Higher Education Learning

Faculty of Humanities and Education, CINEC Campus, Malabe, Sri Lanka | May 2026 - September 2026

Faculty of Computing and Technology, University of Kelaniya, Sri Lanka | September 2021 - February 2022

- Teaching of university staff on teaching and learning methods under Certificate of Teaching in Higher Education
- Teaching of ICT for Assessment & Future Learning Communities for Master's degree candidates

GIS Expert and Urban Planner | May 2018 - November 2018

Sri Lanka Tourism Development Authority, Government of Sri Lanka

- Urban planning and mapping inputs for "Rewilding for Tourism" initiative aiming at new tourism concepts in Sri Lanka

Infrastructure Planning Consultant | June 2017 - April 2018

EML Consultants Pvt Ltd, Sri Lanka

- Infrastructure systems analysis for Greater Trincomalee Regional Plan Development for partnership project with Surbana Jurong Group, Singapore

ACADEMIC HISTORY

The University of Hong Kong, Hong Kong | 2021 - 2025

Doctor of Philosophy in Urban Planning

- Received the Hong Kong PhD Fellowship (HKU-PS and HKPF) from the Research Grants Council of Hong Kong
- Obtained the Fellowship for Higher Education Teaching from the Advanced HE Framework, United Kingdom

National University of Singapore, Singapore | 2014 - 2015

Master of Science in Environmental Management

- Achieved a cumulative GPA of 4.26 out of 5.00
- Received Asian Development Bank-Japan Scholarship for undertaking the master's degree in Singapore

University of Moratuwa, Sri Lanka | 2007 - 2011

Bachelor of Science (Honors) in Town and Country Planning

- Achieved a cumulative GPA of 3.95 out of 4.00 (First Class Honours)
- Received the award for the student with highest cumulative GPA during 2012 graduation

INTERNATIONAL TRAINING AND EXPOSURE

United States of America (2018)

International Visitor Leadership Program on "Indo-Pacific Strategy for Infrastructure Development", hosted by the Department of State, covering multiple cities including Washington DC, Maryland, Florida, Phoenix, and Hawaii

Peoples Republic of China (2017)

Master Planning & Infrastructure Development Training Program, hosted by China Communications Constructions Company Ltd, China with field visits in Zhuhai, Shenzhen and Guanzhou.

Republic of Korea (2016)

Training and Summit on Smart Cities, Governance, Mobility, Urban Design, and Development, hosted by Ministry of Land, Housing & Infrastructure, Korea.

Norway and Germany (2012)

Comprehensive Training Program on Klaro Advanced Wastewater Treatment Systems, Klaro Renseanlegg Norge AS, Norway and Klaro GmbH, Germany.

LANGUAGE PROFICIENCY

Mother Tongue

- Sinhalese

English Language Proficiency

- Competent
- IELTS Test Results: 7.5/ 9.0
 - (Academic Track - 2020 January)

PROFESSIONAL ASSOCIATIONS

Institute of Town Planners Sri Lanka

Corporate Member since 2018

Graduate Alumni of The University of Hong Kong

Lifetime membership at graduate alumni group since 2025

Graduate Alumni of National University of Singapore

Lifetime membership at graduate alumni group since 2016

TEACHING DUTIES (UNIVERSITY OF MORATUWA, SRI LANKA | 2018 - 2021, 2026 -)

Introduction to Planning & Design (Level 1 Semester 1)

Undergraduate Teaching: 2 credits, 30 hours (20% Shared)

Effective Communication (Level 1 Semester 2)

Undergraduate Teaching: 1 credit, 45 hours

Environmental Infrastructure – Waste Management (Level 2 Semester 4)

Undergraduate Teaching: 2 credits, 30 hours (50% Shared)

Planning Techniques (Level 2 Semester 4)

Undergraduate Teaching: 2 credits, 30 hours (50% Shared)

Regional Planning & Design Studio (Level 3 Semester 5)

Undergraduate Planning and Design Studio: 7 credits, 225 hours of studio work

Urban Regeneration (Level 4 Semester 7)

Undergraduate Planning and Design Studio: 7 credits, 225 hours of studio work

Site Planning & Design Studio (Level 4 Semester 7)

Undergraduate Planning and Design Studio: 7 credits, 225 hours of studio work

Industrial Training (Level 4 Semester 7)

Undergraduate Exposure to Industry: 5 credits, 230 hours of training coordination

TEACHING DUTIES (THE UNIVERSITY OF KELANIYA, SRI LANKA | 2022)

ICT for Assessment and Future Learning Communities (MITE 52132) | Online Mode

Postgraduate Teaching: MSc. in Information Technology in Education: AY 2022 (30 hours: 2 credits)

TEACHING DUTIES (THE UNIVERSITY OF HONG KONG, HONG KONG | 2022 - 2024)

Programming and Foundations in Urban Data Analysis (URBA6011)

Postgraduate Tutoring: MSc. Urban Analytics Degree: AY 2022 (100 hours: 3 tutorial sessions)

Sustainable Urban Development and Hong Kong (CCCH9033)

Undergraduate Tutoring: Common Core Course: 2023 Fall (100 hours: 20 tutorial sessions)

Faculty Interdisciplinary Courses (AFIC1003 – On Agendas, AFIC1004 – On Methods)

Undergraduate Tutoring: Faculty of Architecture Research Methods: 2022-23 (10 hours: 5 tutorial sessions)

AWARDS AND HONOURS

STUDENT AWARDS

- **1st Prize: ARUP Research Competition | 2024**

1st Place prize award for “ARUP Research Competition 2024,” organized by ARUP Consultancy Group among researchers in Hong Kong, Macau, and Mainland China.

- **Hong Kong Presidential PhD Scholar Program (HKU-PS) and PhD Fellowship Scholarship (HKPF) | 2021**

Award for Hong Kong Presidential PhD Scholarship to pursue PhD research at the University of Hong Kong, awarded by the Research Grants Council of University Grants Committee, Hong Kong.

- **Asian Development Bank (ADB) Japan Scholarship | 2014**

Award for ADB-Japan Scholarship to undertake MSc. degree program at the National University of Singapore, awarded by the Asian Development Bank and the Government of Japan.

- **Best Environmental Master Plan Award by Singapore Institute of Planners | 2015**

Award for the best environmental master plan – student category in completion of MSc. Environmental Management degree at National University of Singapore selected by Singapore Institute of Planners, Singapore.

- **Best Undergraduate Student with Highest Score in Degree Program | 2012**

Award for best undergraduate student scoring 3.95 Individual Grade Point Average in completion of BSc. Hons. Town and Country Planning Degree awarded by Institute of Town Planners Sri Lanka

- **Best Poster Presentation at Transport Research Forum, Colombo | 2011**

Award for the Best Poster titled “An Examination of the Appropriateness of Flyovers as a Traffic Management Measure to the Road Intersections of Sri Lanka” at Transport Research Forum, Colombo, Sri Lanka.

TEACHING AWARDS AND SHARING SESSIONS

- **Fellow of Advanced Higher Education Framework at the University of Hong Kong | 2022**

Awarded Fellowship (FHEA) for teaching and learning contribution from the HKU Advance Higher Education Scheme under the UK Professional Standards Framework in March 2023 and qualified for Mentoring and Reviewing HKU Advanced Higher Education fellowship applications.

Link: <https://foaforms.hku.hk/2023-08-07/?fb3d-page=34>

- **Sharing at “Students as Partners (SaP), Community of Practice (CoP)” Seminar | 2023**

Presented the tutoring experience at the Faculty Interdisciplinary Course among the academic community of the University of Hong Kong at the “Students as Partners (SaP), Community of Practice (CoP)” Seminar.

Link: <https://foaforms.hku.hk/2023-08-07/?fb3d-page=34>

- **Urban Design workshop on “Sustainable Regeneration of High-Density Urban-neighbourhoods” | 2024**

Successfully completed the joint workshop with Tianjin University, China, and the University of Hong Kong, Hong Kong, which included comprehensive design interventions and an urban planning review.

- **Tutor Certificate for Common Core Course Reflection Workshop | 2024**

Received a certificate for completing the Tutors Certificate Course, followed by a Foundational Workshop and Reflective Assessment of Tutoring at Common Core courses (CCCH9033) offered by the Common Core, HKU.

- **Certificate Course on Teaching and Learning in Higher Education | 2021 - 2022**

Offered by the Center for Teaching and Learning, the University of Sri Jayewardenepura, Sri Lanka (6 months) and the Teaching and Learning Innovation Centre, The University of Hong Kong (3 months)

PUBLICATIONS

Journal Publications

- Peiris, M.T.O.V., Randeniya, N., & Bopitiyegedara, N., How do Anthropogenic Factors Define Flood Risk Perception of Vulnerable Communities? Evidence from Kelani River Lower Basin, Colombo, Sri Lanka. *International Journal of Disaster Risk Reduction*, 120 (2025). <https://doi.org/10.1016/j.ijdr.2025.105352>
- Peiris, M. T. O. V. (2025). Urban system interactions during flood events: a system dynamics modeling approach. *Journal of Water and Climate Change*, jwc2025188. <https://doi.org/10.2166/wcc.2025.188>
- Peiris MTOV. (2024) Assessment of Urban Resilience to Floods: A Spatial Planning Framework for Cities. *Sustainability*, 16(20):9117. <https://doi.org/10.3390/su16209117>
- Peiris, M. T. O. V., & Gowshitharan, N. (2024). Impact of urbanisation on ground water resources: experience from developing countries. *International Journal of Agricultural Resources, Governance and Ecology*, 19(2), 105-122. <http://dx.doi.org/10.1504/IJARGE.2023.136652>
- Peiris, M. T. O. V., & Gowshitharan, N. (2022). Impact assessment of land use on water scarcity in urban areas: case of Jaffna Peninsula, Sri Lanka. *Water Policy*, 24(7), 1146-1165. <https://doi.org/10.2166/wp.2022.011>
- Peiris, M. T. O. V., & Dayarathne, G. L. N. (2022). Application of Life Cycle Framework for Municipal Solid Waste Management: A Circular Economy Perspective from Developing Countries. *Circular Economy and Sustainability*, 1-20. <https://doi.org/10.1007/s43615-022-00200-x>
- Peiris, M. T. O. V., & Fayas, M. (2022). Assessment of User Perception on Public and Private Spaces within Urban Context. *International Journal of Built Environment and Sustainability*, 9(2), 47-59. <https://doi.org/10.11113/ijbes.v9.n2.938>
- Nambuge, G.S., Peiris, M.T.O.V., Kalugalla, K.G.P. (2020), Assessment of Urban Public Spaces within Shopping Malls: Youth Perspective in the City of Colombo, *International Journal of Real Estate Studies*, 14(2), 28–38.
- Peiris, M.T.O.V. (2019), Climate Change Policy Evaluation and Its Impact on Island Nations: Case of Singapore and Sri Lanka, *International Journal of Built Environment and Sustainability*. 6(2), pp. 23-37. <https://doi.org/10.11113/ijbes.v6.n2.345>
- Madushani, K.H.A., Peiris, M.T.O.V., Jayasinghe, W.S. (2019), A study on environmental factors' influence towards the potential buyers' decision on luxury apartments in the city of Colombo and Suburbs, *Sri Lankan Journal of Real Estate*. 14 (1), pp. 1-25.
- Pathirana, U.P.L.V., Peiris, M.T.O.V., Jayasinghe, A.B. and Mahanama, P.K.S., (2020), Assessment framework to select sustainable stormwater management options for urban areas. *Bhumi, The Planning Research Journal*, 7(2), pp.31–38. <http://doi.org/10.4038/bhumi.v7i2.58>

PUBLICATIONS

Conference Proceedings

- Peiris, M.T.O.V.; (2025); Impact of Climate-Induced Disasters on the Sustainability of Cities: An Urban Resilience Perspective to Floods [Oral Presentation] In The International Conference on Sustainable Innovations and Partnerships (SIP2025), March 20-21, The University of British Columbia, Vancouver, Canada. <https://sjp2025.org/accepted-abstracts.html>
- Peiris, M.T.O.V.; (2024) Assessment of Urban Resilience to Floods: An Interplay of Socio-Ecological System Interactions in Cities [Oral Presentation] In The 16th Conference of the International Forum on Urbanism (IFoU) – Urbanism of Hope, December 12-14, online. <https://doi.org/10.17608/k6.auckland.27977427>
- Peiris M.T.O.V; Randeniya N; Bopitiyegedara N.; (2024); Role of Environmental Factors in Managing Flood Risk Perception of Vulnerable Communities: A Study of Kelani River Basin, Colombo, Sri Lanka [Oral Presentation]. In 17th Asian Planning School Association Congress (APSA) - New Era for ASIAN Cities, November 5-7, Chulalongkorn University, Bangkok, Thailand. <https://apsa2024.chula.ac.th/>
- Warusavitharana, E.J.; Peiris, M.T.O.V. (2024); Analysis of urban morphological dynamics and their influence on floodwater retention through the lens of LCZ [Conference Paper]. In 17th Asian Planning School Association Congress (APSA) - New Era for ASIAN Cities, November 5-7, Chulalongkorn University, Bangkok, Thailand. <https://apsa2024.chula.ac.th/>
- Peiris, M.T.O.V. (2024). Impact of Land Use Change on Urban Flood Resilience: A Spatiotemporal Assessment for Colombo City, Sri Lanka [Oral Presentation]. In United Kingdom Alliance for Disaster Risk Reduction Conference 2024, June 26-27, University College London, London, UK. Abstract available at <https://www.ucl.ac.uk/risk-disaster-reduction/ukadr-2024-wednesday-breakout-sessions#Weds%20B>
- Bopitiyegedara, N., Peiris, M.T.O.V., Randeniya, N. (2024). Understanding the Nexus of Flood Impacts & Community Recovery Process: A Study in Flood Risk Zones of Colombo City, Sri Lanka [Oral Presentation]. In United Kingdom Alliance for Disaster Risk Reduction Conference 2024, June 26-27, University College London, London, UK.
- Peiris, M. T. O. V. (2023). Student Cognition in the Classroom Learning: A Perspective from Teachers. In EDULEARN23 Proceedings (pp. 8158-8167). IATED. <https://library.iated.org/view/PEIRIS2023STU>
- Peiris, M.T.O.V. (2023). Flood Risk Assessment of Urban Systems: Understanding the Response Behavior of Communities at Risk [Poster Presentation]. International System Dynamics Conference, July 25, Chicago, USA. <https://proceedings.systemdynamics.org/2023/>
- Peiris, M.T.O.V. (2021). Integration of Collaborative Learning for Online Delivery of Studio based Group Projects: Lessons from Action Research conducted during COVID-19 Pandemic [Paper presentation]. National Action Research Conference on Higher Education, Colombo, Sri Lanka. <http://narche.sjp.ac.lk/>
- Jayasinghe A.B., Peiris M.T.O.V., Bandara M.M.N.C. (2019), Evaluation of Sustainability Assessment Practices in Mega Transport Infrastructure Projects in Sri Lanka: Special Reference to Expressway Projects, International Conference of Eastern Asia Society for Transportation Studies, September 10, Colombo, Sri Lanka. 12.
- Peiris, M.T.O.V. (2015), Climate Change Policy Failure and its Impact on Island States: Case of Singapore and Sri Lanka, South Asia Urban Forum, September 23, Moratuwa, Sri Lanka.
- Peiris, M.T.O.V. (2011), An Examination of the Appropriateness of Flyovers as a Traffic Management Measure to the Road Intersections of Sri Lanka, Transport Research Forum, July 25, Colombo, Sri Lanka. 17.

PUBLICATIONS

Other Publications

- Peiris, M.T.O.V. (December 2020), "Climate Change Policy Evaluation by the Use of Mitigation and Adaptation Indicators", Climate Change Magazine of Sri Lanka, Climate Change Secretariat of Sri Lanka, http://www.env.gov.lk/web/images/pdf/divisions/climate_change_division/publications/NeelaHarithaMagazine_Vol_II_L_compressed.pdf
 - Peiris, M.T.O.V. (26 February 2020), "Water Banking: A Modern Concept for Urban Water Management in Sri Lanka", Daily News, <https://archives1.dailynews.lk/2020/02/26/features/212581/new-methods-urban-water-banking?page=4>
 - Peiris, M.T.O.V. (21 October 2011), "Effectiveness of Flyovers as Traffic Management Measure", Daily News, <http://archives.dailynews.lk/2011/10/21/fea03.asp>
 - Peiris, M.T.O.V., Kumarasinghe, R.S.U. (04 July 2010), "Role of Town Planners in Urban Development," Sunday Observer, <http://archives.sundayobserver.lk/2010/07/04/spe12.asp>
-

NON RELATED REFEREES

Prof. Anthony Gar-On Yeh

- Designation: Chair Professor, Urban Planning and Geographic Information Systems
- Organization: Department of Urban Planning and Design, The University of Hong Kong
- Address: 8th Floor, Knowles Building, Pok Fu Lam Road, Hong Kong SAR, China
- Email: hdxuggy@hku.hk
- Phone: (+852) 3917 2721
- Website: <https://www.arch.hku.hk/staff/upad/yeh-anthony-g-o/>

Archt. Plnr. Djoko Prihanto

- Designation: Past President, Singapore Institute of Planners
- Affiliation: Director, DP Architects Pte Ltd.
- Address: 168, Jalan Bukit Merah Surbana One, Singapore, Central Singapore, Singapore
- Email: DjokoPrihanto@dpa.com.sg
- Phone: (+65) 6248 1288
- Website: <https://www.dpa.com.sg/our-people/djoko-prihanto/>

Dr. Jannie Roed

- Designation: Senior Lecturer, Teaching and Learning Innovation Center, The University of Hong Kong
- Affiliation: Coordinator for Advance HE Fellowships (formerly the Higher Education Academy)
- Address: CPD-1.73, 1st Floor, Centennial Campus, The University of Hong Kong, Hong Kong SAR, China
- Email: roedjan@hku.hk
- Phone: (+852) 3917 0112
- Website: <https://prog.talic.hku.hk/about-us/academic-staff/dr-jannie-roed/>