

Jiwnath Ghimire, Ph.D.

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EDUCATION

2018	PhD	Urban and Regional Planning	University of Hawaii at Manoa, Hawaii Dissertation topic: <i>From Science to Planning: Negotiating Climate Change Adaptation in Land Use Planning in Quy Nhon City, Vietnam.</i> Committee: Karl Kim (Chair), James Spencer, Kem Lowry, Dolores Foley, Michael R. DiGregorio
2009	MURP	Urban and Regional Planning	Department of Urban and Regional Planning, University of Hawaii at Manoa, Hawaii
2009	Graduate Certificate	Disaster Management and Humanitarian Assistance	Department of Urban and Regional Planning, University of Hawaii at Manoa, Hawaii
2004	MA	Rural Development	Department of Rural Development, Tribhuvan University, Kathmandu, Nepal

PUBLICATIONS

Peer-Reviewed Publications

Under Review Karl Kim, Roberto Porro, **Jiwnath Ghimire**, Lillian Ramirez Durand, Ruperto Chaparro Serrano, Bernardo Gonzalez, and Eric Yamashita. Equity, Participation and Planning for Recovery in Puerto Rico.

Under Review Karl Kim, Rashed Chowdhury, Pradip Pant, Eric Yamashita, and **Jiwnath Ghimire**. Assessment of ENSO Risks to Support Transportation Resilience.

- Under Review Karl Kim, Genesis Leong, Eric Yamashita and **Jiwnath Ghimire**. Impacts of COVID-19 Travel Restrictions on Paratransit Users in Honolulu, Hawaii.
- Under Review Karl Kim, Eric Yamashita, and **Jiwnath Ghimire**. Pausing the Pandemic: Understanding and Managing Traveler and Community Spread of COVID-19 in Hawaii.
- 2021 Karl Kim, Eric Yamashita, and **Jiwnath Ghimire**. Factors Associated with Differences in Initial Pandemic Preparedness and Response: Findings from a Nationwide Survey in the United States. *Transportation Research Interdisciplinary Perspectives* 11:100430.
- 2021 Karl Kim, **Jiwnath Ghimire**, Pradip Pant, Eric Yamashita. Bikeshare Safety: Risk Assessment and Management. *Transportation Research Interdisciplinary Perspectives* 9:100276.
- 2020 Karl Kim, Brian Wolshon, Pradip Pant, Eric Yamashita, and **Jiwnath Ghimire**. Assessment of Evacuation Training Needs: Targeting Instruction to Meet the Requirements of Local Communities and Agencies. *Journal of Emergency Management* 18 (6): 475-498.
- 2019 Karl Kim, **Jiwnath Ghimire**, Pradip Pant, and Eric Yamashita. Self-Reported Handheld Device Use While Driving. *Accident Analysis and Prevention* 125: 106-115.
- 2019 Karl Kim, Pradip Pant, Eric Yamashita, and **Jiwnath Ghimire**. Analysis of Transportation Disruptions from Recent Flooding and Volcanic Disasters in Hawai'i. *Transportation Research Record* 2673.2: 194-208.
- 2017 Karl Kim, Kimberly Burnett, and **Jiwnath Ghimire**. Integrating fast feedback and GIS to plan for important agricultural land designations in Kauai County, Hawaii. *Journal of Land Use Science* 12.5: 375-390.
- 2015 Karl Kim, Kimberly Burnett, and **Jiwnath Ghimire**. Assessing the potential for food and energy self-sufficiency on the island of Kauai, Hawaii. *Food Policy* 54: 44-51.
- 2014 Karl Kim, Eric Yamashita, Pradip Pant, and **Jiwnath Ghimire**. Sustaining Seat Belt Use in a High-Use State. *Transportation Research Record* 2425.1: 32-40.
- 2013 Karl Kim, Eric Yamashita, **Jiwnath Ghimire**, James Burke, Lydia Morikawa, and LeeAnna Kobayashi. Learning from Crisis: Transit Evacuation in Honolulu, Hawaii, After Tsunami Warnings. *Transportation Research Record* 2376.1: 56-62.

Book Chapter

- 2018 **Jiwnath Ghimire**, Kim Chi Vu and Hang Nguyen Thi Thuy. Resilience Concepts and Planning Realities: How Quy Nhon is Becoming a Resilient City by Integrating Climate Change Adaptation into Master Plans? In Y. Yamagata & A. Sharifi (Eds.), *Resilience-Oriented Urban Planning: Theoretical and Empirical Insights* (pp. 129-146). Cham: Springer International Publishing.

Conference Papers

- 2021 Karl Kim, Eric Yamashita, and **Jiwnath Ghimire**. Factors Associated with Differences in Pandemic Preparedness and Responses: Findings from a Nationwide Survey in the United States. 100th TRB Annual Meeting (Virtual), January 1-31.
- 2021 Karl Kim, Genesis Leong, Eric Yamashita and **Jiwnath Ghimire**. Impacts of COVID-19 Travel Restrictions on Paratransit Users in Honolulu, Hawaii. 100th TRB Annual Meeting (Virtual), January 1-31.
- 2021 Karl Kim, Eric Yamashita, and **Jiwnath Ghimire**. Pausing the Pandemic: Understanding and Managing Traveler and Community Spread of COVID-19 in Hawaii. 100th TRB Annual Meeting (Virtual), January 1-31.
- 2020 Kim, Karl Kim, **Jiwnath Ghimre**, Pradip Pant, Eric Yamashita. Bikeshare and Safety: Risk Assessment and Management. 99th TRB Annual Meeting, Washington DC, January 12-16.
- 2019 **Jiwnath Ghimire**. From Climate Science to Planning: Negotiating Climate Change Adaptation in Land Use Planning in Quy Nhon City, Vietnam. Association of Collegiate Schools of Planning 59th Annual Conference, Greenville, South Carolina, October 23-27.
- 2019 Karl Kim, Pradip Pant, Eric Yamashita, **Jiwnath Ghimire**. Analysis of Transportation Disruption from Recent Flooding and Volcanic Disasters in Hawaii. 98th TRB Annual Meeting, Washington DC, January 13-17.
- 2018 Karl Kim, **Jiwnath Ghimire**, Pradip Pant, Eric Yamashita. Self-Reported Handheld Device Use While Driving. 97th TRB Annual Meeting, Washington DC, January 7-11.
- 2017 **Jiwnath Ghimire**. Integrating GIS and ComMIT to Identify Social and Structural Vulnerabilities to Tsunami in South Central Coast of Vietnam. Pacific Risk Management Ohana (PRiMO) Conference 2017, Honolulu, Hawaii March 20-23.
- 2017 Karl Kim, Russel Uyeno, Pradip Pant, **Jiwnath Ghimire**. Drone and Traffic Safety: Preliminary Assessment. 96th TRB Annual Meeting, Washington DC, January 8-12.

- 2016 **Jiwnath Ghimire.** Translating Climate Change Knowledge to Land Use Planning: Addressing Challenges in Quy Nhon City, Central Vietnam. Association of Collegiate Schools of Planning 56th Annual Conference, Portland, Oregon, November 3-6.
- 2016 **Jiwnath Ghimire.** Vulnerability Assessment of Tsunamis along the Central Coast of Vietnam. 46th Urban Affair Association Conference, San Diego, California, March 16-19.
- 2015 **Jiwnath Ghimire,** Alternative Approach of Exposure and Vulnerability Assessment for Land Use Planning – a Case Study of Quy Nhon City of Central Vietnam. Association of Collegiate Schools of Planning 55th Annual Conference, Houston, Texas, October 22-25.
- 2015 **Jiwnath Ghimire,** Science-Policy Interaction for Climate Change Adaptation in Vietnam: Experiences from Central and Local Levels of Governance, A Joint Symposium on Urbanization and Urban Planning Asia, University of Hawaii at Manoa and Tongji University, Shanghai. East-West Center, Honolulu, Hawaii, February 6.
- 2014 Karl Kim, Pradip Pant, Eric Yamashita and **Jiwnath Ghimire.** Sustaining Seat Belt Use In A High Use State. The Transportation Research Board (TRB) 93nd Annual Meeting, Washington DC, January 12-16.
- 2014 Karl Kim, Owen Shieh, Eric Yamashita, **Jiwnath Ghimire.** Enhanced Preparedness for Tornadic Thunderstorms: Critical Considerations for Surface Transportation Managers. The Transportation Research Board (TRB) 93nd Annual Meeting, Washington DC, January 12-16.
- 2013 Karl Kim, Eric Yamashita, **Jiwnath Ghimire,** James Burke, Lydia Morikawa, and LeeAnna Kobayashi. Learning from Crisis: Transit Evacuation in Honolulu, Hawaii, After Tsunami Warnings. The Transportation Research Board (TRB) 92nd Annual Meeting, Washington DC, January 13-17.
- 2013 Karl Kim, Pradip Pant, Eric Yamashita, **Jiwnath Ghimire,** Made I. Brunner. The Spatial Criticality of Transportation Risks from Sea Level Rise, Storm Surge and Tsunami Hazards in Honolulu”, Transportation Research Board (TRB) 92nd Annual Meeting, Washington DC, January 13-17.

RESEARCH AND TEACHING

Teaching

2014 - 2021	Lecturer - PLAN 473 (Geographic Information Systems for Community Planning)	Syllabus design, content preparation for lab modules and lectures, advising and mentoring students on lab modules and class projects, and evaluating students' performance against course learning objectives.
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2020	Lecturer - PLAN 673 (Information Systems for Disaster Management and Humanitarian Assistance)	Syllabus design, content preparation for lab modules and class lectures, class website management, advising and mentoring students on lab modules and class projects, and evaluating students' performance against course learning objectives.
2019 - 2020	Lecturer - PLAN 414 (Disaster and Resilience)	Syllabus design, content development for asynchronous online instructions, advising and mentoring students on course requirements and class projects, class website management, and evaluating students' performance against course learning objectives.
2018 - 2020	Co-instructor - PLAN 670 (Interdisciplinary Seminar on Disaster Management and Humanitarian Assistance)	Syllabus design, coordinating speakers and videoconference sessions among partner universities of Asia Pacific Initiative (Partners: University of Hawaii at Manoa - USA, Asian Institute of Technology - Thailand, National University of Samoa - Samoa), coordinating fieldtrips, and managing multiple online course portals.

Invited Talks/Lectures

Jan 30, 2020	Department of City and Regional Planning, University of Memphis, Memphis, Tennessee	Colloquium: Does Climate Science Determine Adaptation Strategies in Urban Land Use Planning: A Case Study of Quy Nhon City, Vietnam
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Research Grants

2020	CONVERGE COVID-19 Working Groups for Public Health and Social Sciences Research – Working Group: COVID-19 and Migrant Workers in Nepal	CONVERGE, Natural Hazards Center, University of Colorado at Boulder (\$1,000)
2019	College of Social Sciences Travel Funds for Professional Development in Research	College of Social Science, University of Hawaii at Manoa (\$2,117)
2015	Graduate Fellowship Fund	Research Cooperation of University of Hawaii (\$6,750)

2015	Travel Award for Professional Development and Research	University of Hawaii at Manoa College of Social Sciences (\$2,000)
2014	Research Award for Dissertation Field Research	East-West Center (\$3,000)
2014	Student Research Award	Office of Community and Alumni Relations, College of Arts and Social Sciences, University of Hawaii at Manoa (\$3,000)

Scholarships/Fellowships

2014, 2015, 2018	Achievement Scholarship	Department of Urban and Regional Planning, University of Hawaii at Manoa
2013	College of Social Sciences Scholarship	College of Social Science, University of Hawaii at Manoa
2012	Student Scholarship	American Planning Association, Hawaii Chapter
2011	East-West Center Association Alumni Scholarship	East-West Center, Honolulu, Hawaii
2009	Asia Pacific Homeland Security Summit Fellowship	Asia Pacific Homeland Security Summit, Honolulu, Hawaii
2009	Distinguish Service Award	East-West Center, Honolulu, Hawaii
2007	Asian Development Bank Degree Fellowship	East-West Center, Honolulu, Hawaii

PROFESSIONAL EXPERIENCE

Feb 2019 - Present	Assistant Specialist	<p>Department of Urban and Regional Planning, University of Hawaii at Manoa.</p> <p>Duties: Coordinate project works conducted by planning and engineering firms, collaborate with non-government and professional organizations for designing and administering COVID-19 research, conduct social vulnerability assessments using GIS, coordinate and facilitate community and stakeholder meetings, prepare periodic reports and manuscripts for peer-reviewed journals, supervise students and administrative staffs, design and administer survey research, perform qualitative and quantitative data analyses, manage DURP planning laboratory, identify and develop disaster management education and training materials that can be incorporated in Disaster Management and Humanitarian Assistance (DMHA) program and FEMA certified training courses under National Disaster Preparedness Training Center (NDPTC).</p>
Jun 2016 – Dec 2018	Research Assistant	<p>National Disaster Preparedness Training Center (NDPTC), University of Hawaii at Manoa.</p> <p>Duties: Design and administer nationwide surveys on emergency management training need assessments, conduct secondary research for training development, supervise surveyors to collect data on vehicle safety belt use under Hawaii Seat Belt Use Study, and analyze survey data using SAS 9.3 and GIS, draft periodic reports of Seat Belt Use Study.</p> <p>(PI: Dr Karl Kim)</p>
Jun 2015 – May 2016	Research Assistant	<p>Waikiki Pre-Disaster Recovery Planning Project, University of Hawaii at Manoa.</p> <p>Duties: Design and administer surveys on climate change and disaster risks perception, conduct risk and vulnerability assessments using census data and GIS, administer interactive group exercises using i-Clickers and participatory mapping tools in stakeholder meetings, and prepare risk and vulnerability assessment report for the Project.</p> <p>(PI: Dr Karl Kim)</p>

Jan 2015 – May 2015	Research Assistant	Hawaii Seat Belt Use Study, University of Hawaii at Manoa. Duties: Supervise and train surveyors, conduct survey data analysis using SAS 9.3 and GIS, prepare periodic project reports, and write manuscripts based on project outcomes. (PI: Dr Karl Kim)
Dec 2009 – Dec 2014	Research Assistant	Kauai Important Agricultural Lands Study, University of Hawaii at Manoa. Duties: Map important agricultural lands in Kauai using GIS and participatory mapping tools, coordinate and organize stakeholder meetings, design and administer group exercises using i-Clicker technology, prepare periodic project reports, and prepare manuscripts for peer-review publication based on project outcomes. (Co-PIs: Dr Karl Kim and Dr Carl Bonham)
Dec 2004 – July 2007	Program Officer	Good Governance Project, Pro Public (Nepal). Duties: Coordinate radio listener fan clubs of Good Governance Radio Program, prepare yearly plan of operation (YPO) and periodic progress reports, deliver training on good governance practices, and provide helpline services to underserved communities. (PI: Mr Kedar Khadka)

TRAININGS, MEMBERSHIPS AND SERVICES

Trainer

2016	Subject Matter Expert (SME) for Vietnam, US Navy Pacific Partnership Subject Matter Expert Exchange Program.	Design and deliver training on flood mitigation in urban land use planning. Da Nang City, July 18-22.
2012	Trainer	A training course on “Planning for Coastal Community Resilience through Flood Risk Reduction”. Da Nang City, Vietnam, March 28-30 organized by University of Hawaii at Manoa and Hanoi Architecture University.

Training received

2018	Community Planning for Disaster Recovery (AWR – 356)	National Disaster Preparedness Training Center, University of Hawaii at Manoa, June 7.
2015	Community Model Interface for Tsunami (ComMIT)	National Disaster Preparedness Training Center, University of Hawaii at Manoa, January 5-9.
2013	Natural Disaster Awareness for Community Leaders (AWR – 310)	National Disaster Preparedness Training Center, University of Hawaii at Manoa, September 30.
2012	Social Media for Natural Disaster Response and Recovery (PER – 304)	National Disaster Preparedness Training Center, University of Hawaii at Manoa, January 4.

Memberships in Professional/Scholarly Organizations

2016-2021	Member	Association of Collegiate Schools of Planning
2016-2021	Member	Urban Affair Association
2018-2019	Member	American Planning Association

Review Service

2019-2021	World Development , The Multi-Disciplinary International Journal Devoted to the Study and Promotion of World Development. https://www.journals.elsevier.com/world-development .
2021	Journal of Emergency Management https://www.wmpllc.org/ojs/index.php/jem/index .
2021	Sustainability https://www.mdpi.com/journal/sustainability
2019-2021	Transportation Research Interdisciplinary Perspective , an Open Access Journal. https://www.journals.elsevier.com/transportation-research-interdisciplinary-perspectives/

Community Service

2019-2021	Member	Non-Resident Nepali Association USA.
2019-2021	Board of Director	ASTA-JA USA, Sustainable Natural Resources for Community Development, Honolulu, Hawaii (An NGO, 501(c)(3) organization)
2015-2016	Vice-President	Society of Nepalese in Hawaii (SNEHA), Honolulu, Hawaii (An NGO, 501(c)(3) organization)
2011-2014	Secretary	Society of Nepalese in Hawaii (SNEHA), Honolulu, Hawaii (An NGO, 501(c)(3) organization)
2009-2010	Co-Chair	East-West Center Environmental Sustainability Task Force, East-West Center, Honolulu, Hawaii
2008-2009	Sustainability Coordinator	East-West Center Participant Association, East-West Center, Honolulu Hawaii

LANGUAGE

Advance: English, Nepali, Hindi

Basic: Vietnamese