

Assoc. Prof. **NATT LEELAWAT, D.Eng.**

รองศาสตราจารย์ ดร.ณัฐ ลีละวัฒน์

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Assistant Dean (International Affairs)

Faculty of Engineering, Chulalongkorn University

Head

Disaster and Risk Management Information Systems Research Unit, Chulalongkorn University

Associate Professor

Department of Industrial Engineering, Faculty of Engineering, Chulalongkorn University

Guest Professor (Global)

Graduate School of System Design and Management, Keio University



TITECH.AC.JP
Tokyo Tech Alumni Stories - Natt Leelawat applies his expertise to disaster and risk management in Thailand

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Research Interests
Disaster and Risk Management
Business Continuity Management
ICT for Disaster Risk Reduction
Disaster Data Science
Management Information Systems
Business Process Management
System Analysis and Design
Disaster Education

Education

- 2013-2016 **Doctor of Engineering** (Industrial Engineering and Management)
Tokyo Institute of Technology, Japan (Japanese Gov. Scholarship)
- 2011-2013 **Master of Engineering** (Industrial Engineering and Management)
Tokyo Institute of Technology, Japan (Japanese Gov. Scholarship)
- 2003-2007 **Bachelor of Science (1st Class Honours)** (Information Technology)
Sirindhorn International Institute of Technology (SIIT),
Thammasat University, Thailand (Bank of Thailand Scholarship)

Experience

- 2024-present **Assistant Dean (International Affairs)**,
Faculty of Engineering, Chulalongkorn University (Thailand)
- 2023-present **Guest Professor (Global)**, Keio University (Japan)
- 2021 **Invited Lecturer**, KMITL (Thailand)
- 2020-2023 **Director**, Risk and Disaster Management Program,
Graduate School, Chulalongkorn University (Thailand)
- 2020-2024 **Assistant Dean (Communications and International Affairs)**,
Faculty of Engineering, Chulalongkorn University (Thailand)
- 2018-present **Research Unit Head**, DRMIS, Chulalongkorn University (Thailand)
- 2017-present **Lecturer**, Chulalongkorn University (Thailand)
- 2017-present **Adjunct Faculty Member**, SIIT, Thammasat University (Thailand)
- 2016-2017 **Assistant Professor**, Tohoku University (Japan)
- 2016 **Postdoctoral Researcher**, Tohoku University (Japan)
- 2013-2016 **Research Assistant**, Tokyo Institute of Technology (Japan)
- 2007-2009 **System Analyst**, Bank of Thailand

Awards

2023	2022 Outstanding Alumni Award -Samsenwittayalai Alumni Association (Thailand)
2022	Best Paper Award -40th IE Network 2022 (Thailand)
2021	Best Paper Award -2nd ICA-SYMP 2021 (Thailand)
2019	Young Outstanding Alumni Award -Tokyo Tech Alumni Association (Thailand Chapter)
2019	Coastal Engineering Journal Citation Award -JSCE (Japan)
2018	SakIntania's Young Lecturer Award -Chula Engineering (Thailand)
2018	Selected Representative of Thailand -NSTDA GYSS2018 (Singapore)
2017	Certificate of Outstanding in Reviewing -IJDRR, Elsevier
2016	Finalist -Falling Walls Young Innovator of the Year (Germany)
2016	3rd PLACE Award -Falling Walls Lab Sendai (Japan)
2016	Poster Award -First Business Plan Competition (Japan)
2015	Best Presentation Award -4th Int. Edu.Forum Env.&Energy Sci. (USA)
2015	Best Collaboration Award -4th Int. Edu.Forum Env.&Energy Sci. (USA)
2015	Best Paper Award -6th SUSTAIN Conf. (Indonesia)
2014	Dean Award -GSDST, Tokyo Tech (Japan)
2013	Best Collaboration Award -2nd Int. Edu.Forum Env.&Energy Sci.(USA)
2011	Best Presentation Award -4th Thailand-Japan Int. Acad. Conf. (Japan)

Scholarships

2010-2016	Japanese Government Scholarship
2009-2010	Asian Youth Fellowship -Japan Foundation Scholarship
2007	SIIT Scholarship (Contribution on Society/SIIT Reputation)
2006	SCG Talent Scholarship (Runner-up)
2006-2007	Bank of Thailand Scholarship
2004, 2006	SIIT Scholarship (Good Academic Performance & Good Conduct)

Grants (PI)

2023-2025	Asahi Glass Foundation Research Grant Asahi Glass Foundation (Japan)
2022-2023	Fundamental Fund Thailand Science Research and Innovation Fund Chulalongkorn University (Thailand)
2022-2023	Chula Engineering's Promoting Research Grant Faculty of Engineering, Chulalongkorn University (Thailand)
2022	Collaborative Research with External Partners (CRX) JICA Project for AUN/SEED-Net (Japan)
2021-2022	Fundamental Fund Thailand Science Research and Innovation Fund Chulalongkorn University (Thailand)
2021-2022	Collaborative Research with External Partners (CRX) JICA Project for AUN/SEED-Net (Japan)
2021-2022	Special Program for Research Against COVID-19 (SPRAC) JICA Project for AUN/SEED-Net (Japan)
2020-2021	Ratchadephiseksomphot Endowment Fund Chulalongkorn University (Thailand)
2020-2021	Chula Engineering's Promoting Research Grant Faculty of Engineering, Chulalongkorn University (Thailand)
2018-2021	Ratchadephiseksomphot Endowment Fund (Research Group) Chulalongkorn University (Thailand)
2017	JASTIP-Net Japan-ASEAN Science Technology and Innovation Platform (Japan)
2017-2018	Classroom Action Research Project Learning Innovation Center, Chulalongkorn University (Thailand)
2017-2018	Ratchadephiseksomphot Endowment Fund (New Faculty Staff) Chulalongkorn University (Thailand)
2016	JASTIP-Net Japan-ASEAN Science Technology and Innovation Platform (Japan)
2015	Leading Program Education Research Funds Tokyo Institute of Technology (Japan)

- 2014 **Leading Program Education Research Funds**
Tokyo Institute of Technology (Japan)
- 2013 **Leading Program Education Research Funds**
Tokyo Institute of Technology (Japan)
- 2013 **Risk Solutions**
Tokyo Institute of Technology (Japan)
- 2012 **Risk Solutions in Engineering Systems**
Tokyo Institute of Technology (Japan)

Certification

- 2023 **Microsoft Certified: Azure AI Fundamentals**,
Microsoft, USA
- 2021 **Member of The Business Continuity Institute (MBCI)**,
The Business Continuity Institute, UK
- 2021 **AI/IoT Fundamental Test Global (AIFTG)**,
AI · IoT Fundamental Test Global, Japan
- 2021 **Certificate of The Business Continuity Institute (CBCI)**,
The Business Continuity Institute, UK
- 2020 **Toyota way Management System Certificate for Grade-4**,
TMS & TPS Certificate Institution, Japan
- 2019 **Certified Peer Reviewer**,
Elsevier Researcher Academy
- 2018 **BM-BCM-301E-1 Analyse Organization's Dependencies that may
Impact on Business Continuity and Performance**,
Singapore Workforce Skills Qualifications, Singapore
- 2015 **DEMO Bachelor Certified Enterprise Engineer**, EEI, The Netherlands
- 2009 **Certified Fundamental Information Technology Engineer (ITPE: FE)**



Committees

- 2025 Technical Program Committee, IEEE 4th ICA-SYMP 2025, Thailand
- 2024 Special Session Chairperson, 23rd ISCIT 2024, Thailand
- 2023 Session Convener, AOGS2023, Singapore
- 2023 Special Session Chair, IEEE 3rd ICA-SYMP 2023, Thailand
- 2022 Committee Chair, APRU Multi-Hazards Symposium 2022, Thailand
- 2021-present Oversea Advisor, Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI), Japan
- 2021-present Advisor for Independent Study of the Certificate Course in Environmental Governance for Executives, Thailand
- 2021 Special Session Chair, IEEE 2nd ICA-SYMP 2021, Thailand
- 2020 Technical Committee, 4th ICBIS 2020, China
- 2020 Technical Committee, 2nd ICPID 2020, Singapore
- 2020 Technical Committee, 7th IEEE ICIEA 2020, Thailand
- 2019 Session Chair/Organizing Committee, 37th IE Network 2019, Thailand
- 2019 Session Chair/Convener, AOGS2019, Singapore
- 2018-present Regional Advisory Committee, Asia Oceania Geosciences Society,
- 2018 Session Chair/Convener, AOGS2018, USA
- 2017-present Committee, Tokyo Tech Alumni Association (Thailand Chapter)
- 2017-present Associate Editor, Journal of Agriculture and Technology Management
- 2017 Session Chair/Convener, AOGS2017, Singapore
- 2015-2016 VP, Thai Students' Association in Tokyo Tech, Japan
- 2016 Advisory Committee, 8th Thailand-Japan Int. Academic Conf., Japan
- 2014-2015 Vice Director (Academic Affairs), TSAJ, Japan
- 2014 Session Co-chairperson, 3rd Int. Edu. Forum. Env. & Energy Sci., USA
- 2014 Co-chairperson, 7th Thailand-Japan Int. Academic Conf., Japan
- 2013 Session Co-chairperson, 2nd Int. Edu. Forum. Env. & Energy Sci., USA
- 2012-2013 VP (Academic Affairs), TSAJ, Japan
- 2012-2013 Advisory Committee (Public Relations and IT), TSAJ, Japan
- 2014 Co-chairperson, 5th Thailand-Japan Int. Academic Conf., Japan
- 2011-2012 VP (Public Relations and IT), TSAJ, Japan

Teaching

Accounting Information Systems
Artificial Intelligence and Applications
Computer and Information Technology for Industrial Engineering
Disaster Management
Disaster Management and Technology
Electronic Commerce
Emergency Management
Exploring Engineering World
Fundamental Area-Business Continuity Management
Fundamental Project Risk Management
Fundamental Risk and Disaster Management
Global Awareness for Technology Implementation
Introduction to Information Systems
Management under Different Culture
Production and Operations Management Information Systems
Risk Management
Risk Management for Industry

Reviewers

Smart Structures and Systems, PLOS One, Scientific Report, Geoscience Letters, Scientometrics, International Journal of Disaster Risk Reduction, Natural Hazards, Ocean & Coastal Management, Technological Forecasting and Social Change, Journal of Disaster Research, Journal of Earthquake and Tsunami, International Journal of Sustainable Future for Human Security, Journal of Agriculture and Technology Management, Engineering Access, Nakhara : Journal of Environmental Design and Planning, International Conference on Information Systems, Thailand-Japan International Academic Conference, Industrial Engineering Network, Pacific Asia Conference on Information Systems, International Conference on Business Information Systems, etc.

Publication (Google Scholar Citations: 1010; h-index: 18; i10-index: 29)

International Journal Articles

Leelawat, N., Savanachai, B., Pathsiriyos, C., Pinkaew, K., Thanasittichai, K., Uttraporn, P., Sanprasert, S., Dorji, T., Saisim, V., Yudha, A. K., & Tang, J. (in press). The 2021 Tropical Storm Dianmu in Thailand: Disaster responses and roles of information technology. *Journal of Disaster Research*. (Accepted on March 19, 2024) (Scopus Q3).

Tang, J., Weeramongkolkul, M., Suwankesawong, S., Saengtabtim, K., **Leelawat, N.**, & Wongwailikhit, K. (2024). Toward a more resilient Thailand: Developing a machine learning-powered forest fire warning system. *Heliyon*, 10 (13), E34021. doi: [10.1016/j.heliyon.2024.e34021](https://doi.org/10.1016/j.heliyon.2024.e34021) (Scopus Q1).

Mathittikul, N., Wancham, N., Treeranurat, W., Saengtabtim, K., Laosunthara, A., Tang, J., & **Leelawat, N.** (2024). Examining the factors influencing tsunami evacuation action selection in Thailand: A comprehensive study involving local residents, non-local workers, and travelers. *Sustainability*, 16 (5). doi: [10.3390/su16052024](https://doi.org/10.3390/su16052024) (Scopus Q1).

Saengtabtim, K., Tang, J., **Leelawat, N.**, Egawa, S., Suppasri, A., & Imamura, F. (2023). Universal health coverage mitigated COVID-19 health-related consequences in Asia Oceania. *International Journal of Disaster Risk Reduction*, 92. 103725. doi: [10.1016/j.ijdrr.2023.103725](https://doi.org/10.1016/j.ijdrr.2023.103725) (Scopus Tier 1).

Tang, J., Yaibuates, N., Tasmania, T., & **Leelawat, N.** (2023). Inter- and intrastate network analysis of COVID-19 spread using the social connectedness index. *Journal of Disaster Research*, 18 (1), 40-47. doi: [10.20965/jdr.2023.p0011](https://doi.org/10.20965/jdr.2023.p0011) (Scopus Q2).

Yang, Y., Vinayavekhin, S., Phial, R., O'Sullivan, E., & **Leelawat, N.** (2023). Strategic roadmapping framework for disaster response: Case of COVID19 pandemic vaccine rollout program in the UK. *Journal of Disaster Research*, 18 (1), 11-20. doi: [10.20965/jdr.2023.p0011](https://doi.org/10.20965/jdr.2023.p0011) (Scopus Q2).

- Nanthaitaweekul, P. **Leelawat, N.**, Thaitae, S., Muenboonme, W., Krutphong, K., Ringed, K., & Tang, J. (2022). Tele health self-management innovation (THSM) for patients with COVID-19: A conceptual design. *Journal of Disaster Research*, 17 (7), 1158-1164. doi: [10.20965/jdr.2022.p1158](https://doi.org/10.20965/jdr.2022.p1158) (Scopus Q2).
- Lertsakornsiri, P., Sritanawatkul, P., Yudha, A. K., **Leelawat, N.**, Tang, J., Suppasri, A., Kitamura, M., Tsukuda, H., Boret, S. P., Onoda, Y., Saengtabtim, K., Imamura, F., & Syamsidik. (2022). Factors affecting horridness: A study of the COVID-19 pandemic in Japan. *International Journal of Disaster Risk Reduction*, 82, 103322. doi: [10.1016/j.ijdr.2022.103322](https://doi.org/10.1016/j.ijdr.2022.103322) (Scopus Tier 1).
- Leelawat, N.**, Jariyapongpaiboon, S., Promjun, A., Boonyarak, S., Saengtabtim, K., Laosunthara, A., Yudha, A. K., & Tang, J. (2022). Twitter data sentiment analysis of tourism in Thailand during the COVID-19 pandemic using machine learning. *Heliyon*, 8 (10), E10894. doi: [10.1016/j.heliyon.2022.e10894](https://doi.org/10.1016/j.heliyon.2022.e10894) (Scopus Q1).
- Kodaka, A., **Leelawat, N.**, Watanabe, K., Park, J., Tang, J., Ino, E., & Kohtake, N. (2022). Industrial area business continuity management exercise: An experimental validation for flood in Thailand. *Journal of Disaster Research*, 17 (6), 853-860. doi: [10.20965/jdr.2022.p0853](https://doi.org/10.20965/jdr.2022.p0853) (Scopus Q2).
- Yudha, A. K., Tang, J., & **Leelawat, N.** (2022). COVID-19 impact on tourist business continuity in Indonesia: A preliminary systematic review. *Journal of Disaster Research*, 17 (6), 913-922. doi: [10.20965/jdr.2022.p0913](https://doi.org/10.20965/jdr.2022.p0913) (Scopus Q2).
- Laosunthara, A., Saengtabtim, K., Sochoeiya, P., **Leelawat, N.**, Tang, J., Kodaka, A., Onda, Y., & Kohtake, N. (2022). Impact of COVID-19 measures on mobility in Bangkok, Thailand. *Journal of Disaster Research*, 17 (4), 546-551. doi: [10.20965/jdr.2022.p0546](https://doi.org/10.20965/jdr.2022.p0546) (Scopus Q2).
- Saengtabtim, K., **Leelawat, N.**, Tang, J., Suppasri, A., & Imamura, F. (2022). Consequences of COVID-19 on health, economy, and tourism in Asia. *Sustainability*, 14 (8), 4624. doi: [10.3390/su14084624](https://doi.org/10.3390/su14084624) (ISI Q2/ Scopus Q1).
- Tang, J., Vinayavekhin, S., Weeramongkolkul, M., Suksanon, C., Pattarapremcharoen, K., Thiwathittayanuphap, S., & **Leelawat, N.** (2022). Agent-based simulation and modeling of COVID-19 pandemic: A bibliometrics analysis. *Journal of Disaster Research*, 17 (1), 93-102. doi: [10.20965/jdr.2022.p0093](https://doi.org/10.20965/jdr.2022.p0093) (Scopus Q2).
- Kodaka, A., Detera, B. J., Onda, Y., **Leelawat, N.**, Tang, J., Laosunthara, A., Saengtabtim, K., & Kohtake, N. (2022). Inventions to support tourism and its impact on air quality – A case study of Go To Travel campaign in Japan – . *Journal of Disaster Research*, 17 (1), 123-135. doi: [10.20965/jdr.2022.p0123](https://doi.org/10.20965/jdr.2022.p0123) (Scopus Q2).
- Leelawat, N.**, & Vilaivan, T. (2021). A polystyrene foam factory fire in a Bangkok satellite city: Incident and lessons learned. *ACS Chemical Health & Safety*, 28 (6), 394-396. doi: [10.1021/acs.chas.1c00071](https://doi.org/10.1021/acs.chas.1c00071)
- Leelawat, N.**, Tang, J., Krutphong, K., Chaichanasiri, S., Kanno, T., Li, C. W., Le, L. T. Q., Dung, H. Q., Chua, T., Saengtabtim, K., & Laosunthara, A. (2021). Comparison of the initial overseas evacuation operations due to COVID-19: A focus on Asian countries. *Journal of Disaster Research*, 16 (7), 1137-1146. doi: [10.20965/jdr.2021.p1137](https://doi.org/10.20965/jdr.2021.p1137) (Scopus Q2).
- Leelawat, N.**, Laosunthara, A., Tang, J., Suppasri, A., Ruangrassamee, A., Akkharapathompong, P., & Imamura, F. (2021). The 2011 Great East Japan earthquake and tsunami: A message from Japan to Thailand. *Journal of Disaster Research*, 16 (6), 908-913. doi: [10.20965/jdr.2021.p0908](https://doi.org/10.20965/jdr.2021.p0908) (Scopus Q2).
- Kodaka, A., **Leelawat, N.**, Onda, Y., Tang, J., Laosunthara, A., Saengtabtim, K., Sochoeiya, P., & Kohtake, N. (2021). Influential factors on aerosol change during COVID-19 in Ayutthaya, Thailand. *Engineering Journal*, 25 (8), 187-196. doi: [10.4186/ej.2021.25.8.187](https://doi.org/10.4186/ej.2021.25.8.187) (Scopus Q3).
- Suppasri, A., Kitamura, M., Tsukuda, H., Boret, S. P., Pescaroli, G., Onoda, Y., Imamura, F., Alexander, D., **Leelawat, N.**, & Syamsidik. (2021). Perceptions of the COVID-19 pandemic in Japan with respect to cultural, information, disaster and social issues. *Progress in Disaster Science*, 10, 100158. doi: [10.1016/j.pdisas.2021.100158](https://doi.org/10.1016/j.pdisas.2021.100158) (Scopus)

- Saengtabtim, K., **Leelawat, N.**, Tang, J., Treeranurat, W., Wisittiwong, N., Suppasri, A., Pakoksung, K., Imamura, F., Takahashi, N., & Charvet, I. (2021). Predictive analysis of the building damage from the 2011 Great East Japan tsunami using decision tree classification related algorithms. *IEEE Access*, 9, 31065-31077. doi: [10.1109/ACCESS.2021.3060114](https://doi.org/10.1109/ACCESS.2021.3060114) (ISI/Scopus Q1).
- Sontayasara, T., Jariyapongpaiboon, S., Promjun, A., Seelipat, N., Saengtabtim, K., Tang, J., & **Leelawat, N.** (2021). Twitter sentiment analysis on Bangkok tourism during the COVID-19 situation using support vector machine algorithm. *Journal of Disaster Research*, 16 (1), 24-30. doi: [10.20965/jdr.2021.p0024](https://doi.org/10.20965/jdr.2021.p0024) (Scopus Q2).
- Chaivutitorn, T., Tanasakcharoen, T., **Leelawat, N.**, Tang, J., Caro, C. V. C., Lagmay, A. M., Suppasri, A., Bricker, J. D., Roeber, C., Yi, C. J., & Imamura, I. (2020) Statistical analysis of building damage from the 2013 Super Typhoon Haiyan and its storm surge in the Philippines. *Journal of Disaster Research*, 15 (7), 822-832. doi: [10.20965/jdr.2020.p0822](https://doi.org/10.20965/jdr.2020.p0822) (Scopus Q2).
- Masaya, R. Suppasri, A., Yamashita, K., Imamura, F., Gouramanis, C., & **Leelawat, N.** (2020). Investigating beach erosion related with tsunami sediment transport at Phra Thong Island, Thailand, caused by the 2004 Indian Ocean tsunami. *Natural Hazards and Earth Systems Science*, 20, 2823-2841. doi: [10.5194/nhess-20-2823-2020](https://doi.org/10.5194/nhess-20-2823-2020) (ISI/Scopus Q1).
- Charoenthammachoke, K., **Leelawat, N.**, Tang, J., & Kodaka, A. (2020). Business continuity management: A preliminary systematic literature review based on ScienceDirect database. *Journal of Disaster Research*, 15 (5), 546-555. doi: [10.20965/jdr.2020.p0546](https://doi.org/10.20965/jdr.2020.p0546) (Scopus Q2).
- Sapapthai, S., **Leelawat, N.**, Tang, J., Kodaka, A., Chintanapakdee, C., Ino, E., & Watanabe, K. (2020). A stakeholder analysis approach for business continuity management: A systematic review. *Journal of Disaster Research*, 15 (5), 588-598. doi: [10.20965/jdr.2020.p0588](https://doi.org/10.20965/jdr.2020.p0588) (Scopus Q2).
- Katato, T., **Leelawat, N.**, & Tang, J. (2020). Antecedents of outsourcing relationships: A systematic review. *Engineering Journal*, 24 (4), 157-169. doi: [10.4186/ej.2020.24.4.157](https://doi.org/10.4186/ej.2020.24.4.157) (Scopus Q3).
- Meechang, K., **Leelawat, N.**, Tang, J., Kodaka, A., & Chintanapakdee, C. (2020). The acceptance of using information technology for disaster risk management: A systematic review. *Engineering Journal*, 24 (4), 111-132. doi: [10.4186/ej.2020.24.4.111](https://doi.org/10.4186/ej.2020.24.4.111) (Scopus Q3).
- Leelawat, N.**, Tang, J., Saengtabtim, K., & Laosunthara, A. (2020). Trends of tweets on the Coronavirus Disease-2019 (COVID-19) pandemic. *Journal of Disaster Research*, 15 (4), 530-533. doi: [10.20965/jdr.2020.p0530](https://doi.org/10.20965/jdr.2020.p0530) (Scopus Q2).
- Katato, T., **Leelawat, N.**, & Tang, J. (2019). Factors affecting to long-term relationship of outsourcing: A case study of Thailand. *Journal of Administrative and Business Studies*, 5 (5), 281-290. doi: [10.20474/jabs-5.5.3](https://doi.org/10.20474/jabs-5.5.3)
- Thamarux, P., Suppasri, A., **Leelawat, N.**, Matsuoka, M., & Imamura, F. (2019). Time series disaster emergency response plan for international organizational management: A Case study of Royal Thai Embassy, Tokyo, Japan. *Journal of Disaster Research*, 14 (7), 959-971. doi: [10.20965/jdr.2019.p0959](https://doi.org/10.20965/jdr.2019.p0959) (Scopus Q2)
- Suppasri, A., Pakoksung, K., Charvet, I., Chua, C. T., Iakahashi, N., Ornthammarath, T., Latcharote, P., **Leelawat, N.**, & Imamura, F. (2019). Load-resistance analysis: an alternative approach to tsunami damage assessment applied to the 2011 Great East Japan tsunami. *Natural Hazards and Earth System Sciences*, 19, 1807-1822. doi: [10.5194/nhess-19-1807-2019](https://doi.org/10.5194/nhess-19-1807-2019) (ISI/Scopus Q1)
- Tang, J., Chotochanapibal, M., Liangsupong, K., Fachrizal, M., Laosunthara, A., & **Leelawat, N.** (2019). Influencing factors of Japanese visitors and non-visitors in visiting Thailand: A segmentation analysis. *International Journal of Recent Technology and Engineering*, 8 (1C2), 864-870 (Scopus Q4)
- Leelawat, N.**, Suppasri, A., Latcharote, P., Abe, Y., Sugiyasu, K., & Imamura, F. (2018). Tsunami evacuation experiment using a mobile application: A design science approach. *International Journal of Disaster Risk Reduction*, 29, 63-72. doi: [10.1016/j.ijdr.2017.06.014](https://doi.org/10.1016/j.ijdr.2017.06.014) (ISI/Scopus Tier 1)

- Latcharote, P., **Leelawat, N.**, Suppasri, A., Thamarux, P., & Imamura, F. (2018). Estimation of fatality ratios and investigation of influential factors in the 2011 Great East Japan tsunami. *International Journal of Disaster Risk Reduction*, 29, 37-54. doi: [10.1016/j.ijdrr.2017.06.024](https://doi.org/10.1016/j.ijdrr.2017.06.024) (ISI/Scopus Tier 1)
- Leelawat, N.**, Suppasri, A., Latcharote, P., & Imamura, F. (2017). The evacuation of Thai citizens during Japan's 2016 Kumamoto earthquakes: An ICT perspective. *Journal of Disaster Research*, 12(sp), 669-677. doi: [10.20965/jdr.2017.p0669](https://doi.org/10.20965/jdr.2017.p0669) (Scopus Q2)
- Suppasri, A., **Leelawat, N.**, Latcharote, P., Robber, V., Yamashita, K., Hayashi, A., Ohira, H., Fukui, K., Hisamatsu, A., Nguyen, D., & Imamura, F. (2017). The 2016 Fukushima earthquake and tsunami: Local tsunami behavior and recommendations for tsunami disaster risk reduction. *International Journal of Disaster Risk Reduction*, 21, 323-330. doi: [10.1016/j.ijdrr.2016.12.016](https://doi.org/10.1016/j.ijdrr.2016.12.016) (ISI/Scopus Tier 1)
- Suppasri, A., Latcharote, P., Bricker, J. D., **Leelawat, N.**, Hayashi, A., Yamashita, K., Makinoshima, F., Roeber, V., & Imamura, F. (2016). Improvement of tsunami countermeasures based on lessons from the 2011 Great East Japan earthquake and tsunami — Situation after five years. *Coastal Engineering Journal*, 58(4), 164001-1-164001-30. doi: [10.1142/S0578563416400118](https://doi.org/10.1142/S0578563416400118) (ISI/Scopus Q2)
- Leelawat, N.**, Suppasri, A., Murao, O., & Imamura, F. (2016). A study on the influential factors on building damage in Sri Lanka during the 2004 Indian Ocean tsunami. *Journal of Earthquake and Tsunami*, 10(2), 1640001-1-1640001-11. doi: [10.1142/S1793431116400017](https://doi.org/10.1142/S1793431116400017) (ISI/Scopus Q3)
- Leelawat, N.**, Suppasri, A., Kure, S., Yi, C. J., Mateo, C. M. R., & Imamura, F. (2015). Disaster warning system in the Philippines through enterprise engineering perspective: A study on the 2013 Super Typhoon Haiyan. *Journal of Disaster Research*, 10(6), 1041-1050. doi: [10.20965/jdr.2015.p1041](https://doi.org/10.20965/jdr.2015.p1041) (Scopus Q2)
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