

Asst. Prof. NATT LEELAWAT, D.Eng., MBCI

ผู้ช่วยศาสตราจารย์ ดร.ณัฐ ลิขิตวัฒน

ORCID: 0000-0001-5158-2584 :: IEEE Senior Member

Director

Risk and Disaster Management Program, Graduate School, Chulalongkorn University

Assistant Dean (Communications and International Affairs)

Faculty of Engineering, Chulalongkorn University

Head

Disaster and Risk Management Information Systems Research Unit, Chulalongkorn University

Assistant Professor

Department of Industrial Engineering, Faculty of Engineering, Chulalongkorn University

Moderator

Pood Ja Prasa Chang, FM 101.5 MHz

Columnist (Risk Reduction Column)

TPA News, Technology Promotion Association (Thailand-Japan)



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

- 2021- **Invited Lecturer**, KMITL (Thailand)
2020- **Director**, Risk and Disaster Management Program,
Graduate School, Chulalongkorn University (Thailand)
2020- **Assistant Dean (Communications and International Affairs)**,
Faculty of Engineering, Chulalongkorn University (Thailand)
2018- **Research Group Head**, DRMIS, Chulalongkorn University (Thailand)
2017- **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

- 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)

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	Ratchadaphiseksomphot Endowment Fund Chulalongkorn University (Thailand)
2020-2021	Chula Engineering's Promoting Research Grant Faculty of Engineering, Chulalongkorn University (Thailand)
2018-2021	Ratchadaphiseksomphot 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	Ratchadaphiseksomphot 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

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

2021-present Oversea Advisor, Tokyo Tech Academy for Convergence of Materials
and Informatics (TAC-MI), Japan
2021 Advisor for Independent Study of the Certificate Course in
Environmental Governance for Executives, Thailand
(อาจารย์ที่ปรึกษา หลักสูตรประกาศนียบัตรธรรมภิบาลสิ่งแวดล้อมสำหรับ
นักบริหารระดับสูง กรมส่งเสริมคุณภาพสิ่งแวดล้อม)
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,
Singapore
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
Computer and Information Technology for Industrial Engineering
Disaster Management
Disaster Management and Technology
Electronic Commerce
Emergency Management
Exploring Engineering World
Introduction to Information Systems
Management under Different Culture
Production and Operations Management Information Systems
Risk Management
Risk Management for Industry

Reviewers

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, Mahasarakham International Journal of
Engineering and Technology, Nakhara : Journal of Environmental Design and Planning, International
Conference on Information Systems, Thailand-Japan International Academic Conference, Industrial

Publication (Google Scholar Citations: 512; h-index: 13; i10-index: 16)

International Journal Articles

- Laosunthara, A., Saengtabtim, K., Sochoeiya, P., **Leelawat, N.**, Tang, J., Kodaka, A., Onda, Y., & Kohtake, N. (in press). 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 are 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.ijdr.2017.06.024](https://doi.org/10.1016/j.ijdr.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.ijdr.2016.12.016](https://doi.org/10.1016/j.ijdr.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)
- Suppasri, A., Yi, C. J., **Leelawat, N.**, Watanabe, M., Bricker, J. D., & Imamura, F. (2015). Field survey and analysis of damaged school buildings by the 2013 Typhoon Haiyan and storm surge. *Journal of Japan Society of Civil Engineers, Ser. B2 (Coastal Engineering)*, 71(2), I_1669-I_1674. doi: [10.2208/kaigan.71.I_1669](https://doi.org/10.2208/kaigan.71.I_1669)
- Leelawat, N.**, Suppasri, A., Imamura, F. (2015). Disaster recovery and reconstruction following the 2011 Great East Japan earthquake and tsunami: A business process management perspective. *International Journal of Disaster Risk Science*, 6(3), 310-314. doi: [10.1007/s13753-015-0066-1](https://doi.org/10.1007/s13753-015-0066-1) (ISI/Scopus Q1)
- Leelawat, N.**, Suppasri, A., Charvet, I., Kimura, T., Sugawara, D., & Imamura, F. (2015). A study on influential factors on building damage in Kesennuma, Japan from the 2011 Great East Japan tsunami. *Engineering Journal*, 19(3), 105-116. doi: [10.4186/ej.2015.19.3.105](https://doi.org/10.4186/ej.2015.19.3.105) (Scopus Q3)
- Leelawat, N.**, Mateo, C. M. R., Gaspay, S. M., Suppasri, A., & Imamura, F. (2014). Filipinos' views on the disaster information for the 2013 Super Typhoon Haiyan in the Philippines. *International Journal of Sustainable Future for Human Security*, 2(2), 16-28.
- Leelawat, N.**, Suppasri, A., Charvet, I., Imamura, F. (2014). Building damage from the 2011 Great East Japan tsunami: quantitative assessment of influential factors. *Natural Hazards*, 73(2), 449-471. doi: [10.1007/s11069-014-1081-z](https://doi.org/10.1007/s11069-014-1081-z) (ISI/Scopus Q1)

Book Chapters & Technical Report Articles

- Leelawat, N.**, Latcharote, P., Suppasri, A., Sararit, T., Srivichai, M., Tang, J., Chua, T., Kumnertrut, D., Saengtabtim, K. & Imamura, F. (2021). Today in Thailand: Multidisciplinary perspectives on the current tsunami disaster risk reduction. In Y. Dilek, Y. Ogawa, & Y. Okubo (Eds.), *Geological Society, London, Special Publications: Vol. 501. Characterization of Modern and Historical Seismic-Tsunami Events, and Their Global-Societal Impacts* (pp.353-365), The Geological Society of London. doi: [10.1144/SP501-2019-97](https://doi.org/10.1144/SP501-2019-97) (Scopus Q1)
- Leelawat, N.**, Muhari, A., Srivichai, M., Suppasri, A., Imamura, F., & Bricker, J. D. (2018). Preference for information during flood disasters: A study of Thailand and Indonesia. In B. McLellan (Ed.), *Sustainable Future for Human Security* (pp. 335-349), Singapore: Springer. doi: [10.1007/978-981-10-5433-4_23](https://doi.org/10.1007/978-981-10-5433-4_23)
- Imamura, F., Suppasri, A., Latcharote, P., Otake, T., **Leelawat, N.**, & Nguyen, D. N. (2017, November). A Global Assessment of Historical and Future Tsunami Hazards Based on Seismic Records Over the Last 400 Years and Estimated Seismic Gaps. Miyagi: International Research Institute of Disaster Science, Tohoku University.
- Suppasri, A., Charvet, I., Macabuag, J., Rossetto, T., **Leelawat, N.**, Latcharote, P., & Imamura, F. (2015). Building damage assessment and implications for future tsunami fragility estimations. In M. Esteban, H. Takagi, & T. Shibayama (Eds.), *Handbook of Coastal Disaster Mitigation for Engineers and Planners* (pp. 145-178). Oxford: Elsevier. doi: [10.1016/B978-0-12-801060-0.00009-5](https://doi.org/10.1016/B978-0-12-801060-0.00009-5)

Leelawat, N., Suppasri, A., & Imamura, F. (2015). The tsunami warning system in Thailand: A part of the reconstruction process after the 2004 Indian Ocean tsunami. In V. Santiago-Fandiño, Y. A. Kontar, & Y. Kaneda (Eds.), *Post-Tsunami Hazard, Advanced in Natural and Technological Hazards Research*: Vol. 44 (pp. 111-119), Cham: Springer International Publishing. doi: [10.1007/978-3-319-10202-3_8](https://doi.org/10.1007/978-3-319-10202-3_8)

Leelawat, N., Suppasri, A., Yasuda, M., & Imamura, F. (2014, March). Disaster warning broadcasting process management: A case study of landslide from Typhoon Wipha at Izu-Oshima in 2013. *Report of Tsunami Engineering*: Vol. 31 (pp. 49-57), Miyagi: International Research Institute of Disaster Science, Tohoku University.

National Journal Articles

อำพัน เหล่าสุนทร, **ณัฏฐ์ ลีละวัฒน์**, Jing Tang, วันใหม่ โพธิ์ถาวร, และศิวกร กมลภากรณ์. (2563). แนวทางการพัฒนาสภาพแวดล้อมการท่องเที่ยวไทยผ่านมุมมองของตลาดญี่ปุ่น. *วารสารสิ่งแวดล้อม* [Environmental Journal], 24 (1).

ณัฏฐ์ ลีละวัฒน์, Jing Tang, ณพวัฒน์ โชติวรรณ, และธนวิรัช ประกิตเดชะกุล. (2561). จากวันนั้นถึงวันนี้ สืบสานกับอุตสาหกรรมโรงแรม. *วารสารสิ่งแวดล้อม* [Environmental Journal], 22 (4). 4-8.

International Conference Proceedings Articles

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