

Nobutaka Ito

Ph. D in Agricultural Engineering



Visiting Professor

School of Renewable Energy,

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Home address: 153 Tsubaiso-cho, Kameyama-shi, Mie-ken, Japan
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Date of Birth : October 24 1942

Place of Birth : 153 Tsubaiso-cho, Kameyama-shi, Mie-ken, Japan

Civil status : Married

Current Status:

- Visiting Professor, School of Renewable Energy, Maejo University (February 2022~)
- Visiting Professor, Special Projects and Strategic Driving Department, Maejo University (October 2021~January 2022)
- Visiting Professor, International Expert, Research and International Relations Affairs, Faculty of Engineering, Kho Kaen University (October 5, 2020 ~ now)
- Editorial Board member of “International Journal of Science and Innovative Technology (IJSIT)”, The Association of Researchers of Thailand organizing academic journal (February 2021 ~)
- Editorial Board member of AGRI MECH monthly Journal (2016 ~ up to date)
- Visiting Professor, Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University (October 2019 ~September 2020)
- Visiting Professor, Department of Mechanical Engineering (October 2007 ~ September

2018), Faculty of Engineering, Chiang Mai University

- President of IFPaT, NPO, Japan (April 2007 - June, 2018)
- Advisory in Research Administration Center, CMU (2013 up to September 2018)
- Honorary Citizen of Hochiminh city, Vietnam (December 2016)
- AGRI - MECH Journal, Editorial Committee member (July 2016 ~)
- Advisory Committee member, Maejo University (February 2019~)
- Research Fellow, Faculty of Engineering Mie University (April 2006 - March 2008)
- Visiting Professor, International Exchange Affairs, Mie University (April 2006 - March 2007)
- Honorary Doctor awarded by CMU (January 2007)
- Professor of Emeritus, Mie University, Japan (2006)

Special interest

- Smart agriculture (Precision agriculture, Robotics, Plant (Green) factory)
- Application of Micro Nano bubble to Agriculture
- Rice mechanization
- Food processing
- Community - based Asian Agrifuture; Future Farmer of Asia growing project
- Asian agriculture: Policy / Strategy proposal
- Haze Free issue in Thailand and Asia
- Terramechanics: Soil & Machine system

Academic background

- B.S in Agricultural Machinery, Mie University, Japan 1965;
- M.S in Agricultural Engineering, Kyoto University, Japan 1967;
- Ph.D in Agricultural Engineering, Kyoto University, Japan 1975

Professional Experience

1970 Assistant Professor, Department of Agricultural Machinery, Faculty of
Agriculture, Mie University

1977 Visiting Faculty, Community and Regional Development, Asian Institute
of Technology (one month in March)

1978 Visiting Faculty, Community and Regional Development, Asian Institute
of Technology, (two months in October & November)

1979 Associate Professor, Department. of Agricultural Machinery, Faculty of
Agriculture, Mie University

1984 Professor, Department of Agricultural Machinery, Faculty of Agriculture,
Mie University,
1987 Professor, Dept. of Bio-production and Machinery, Faculty of
Bio-resources, Mie University
1997 Professor, Dept. of Environmental Science and Technology, Faculty of
Bio-resources, Me University
1999~2000 Director, Center for International Students at Mie University
2002~2004 Director, Center for International Students at Mie University
2006 Professor Emeritus, Mie University
2004~2006 President, AAAE(Asian Association for Agricultural Engineering),
Asian Institute of Technology, Bangkok, Thailand
2006 Visiting Professor, International Center for Education & Research, Mie
University, Tsu, Mie, Japan
2006 Research Fellow, Faculty of Engineering, Mie University,
2007 President of IFPat (International Farmers Participation Technical Net-work,
Non Profitable Organization, Japan) up to present
2007 Visiting Professor, Faculty of Engineering, Chiang Mai University
2021 Visiting Professor, Faculty of Engineering, Khon Kaen University
2022 Visiting Professor, School of Renewable Energy, Special Projects and Strategic Driving
Department, Maejo University

Research Contribution

● Books (published up to retirement in March 2006):

He joined writing almost seven books as committee chairman and co-author. Additional three text books (in English) prepared for JICA trainee are written alone as the author.

● Recent book writing

- 1) Nobutaka Ito (2018) Technologies for agrimation and agro-industry, **ISHS Acta Horticulturae 1213 III Asia Pacific Symposium on Postharvest Research, Education and Extension: APS2014, October 5, 2018**
- 2) Nobutaka Ito (2018) Asian Agriculture Growth Strategy, International Conference on Material, Machines and Methods for Sustainable Development, published in the Journal of Applied Mechanics and Materials (ISSN print 1660-9336 and ISSN web 1662-7482) published from Trans tech Publisher. (<https://www.scientific.net/AMM>)

● Recent Presentation / Publication (Journal / Proceedings)

in recent 5 years from 2017 to 2021

- 1) IS-HPMNB, 1st International Symposium on Application of High-voltage. Plasma & Micro Nano Bubbles to Agriculture & Aquaculture, January 5~6, 2017 at Rajamangala University of Technology, Lanna (just attendance)
- 2) Nobutaka Ito (2017) ASEAN UNIVERSITY NETWORK : STUDENT MOBILITY
Prepared for Thai – ASEAN University Network, 14:30 ~ 16:00 pm March 13, 2017, Faculty of Humanities
- 3) Nobutaka Ito (2017), Japan's Energy Shift for Sustainability, Keynote speech, Proceeding of the 1st Maejo-Engineo International Conference on Renewable Energy (MEICRE 2017) which is scheduled from 31st May to 2nd June 2017, Empress Hotel, at Chiang Mai, Thailand.
- 4) Nobutaka Ito (2017), How the Visiting Professor should be active and welcomed, Introduction of JSPS Activity in Asia and sharing Information about Research Opportunity, Phaya Sri Wisarn Waja Room, Office of University, Chiang Mai University, June 2nd, 2017 (Handout of PPT & Final manuscript)
- 5) Nobutaka Ito (2017) Asia Techno Farm, The International Conference of Building of Food Sovereignty through a Sustainable Agriculture: Challenge of Climate Change and Global Economic Community, University of Jember (UNEJ), East Java, Indonesia, August 1st ~ 3rd, 2017
- 6) Nobutaka Ito (2017) Asia Techno Farm Initiative, Thai Society of Agricultural Engineering, Impact Arena, September 9 ~ 10, 2017
- 7) Nobutaka Ito (2017) Haze issues in Northern Thailand, Thai Society of Agricultural Engineering, Impact Arena, September 9 ~ 10, 2017
- 8) Nobutaka Ito (2017) Asia Techno Farm Initiative for Promoting Asia Food Project, Workshop on Precision Agriculture and Agricultural Machinery Industry for Thailand 4.0, TISTR Lamtakhong Research station, Ministry of Science and Technology, Pakchong Nakorn Rachasima, Thailand
- 9) Nobutaka Ito (2017) Haze Free Forest Farm, Regional Haze and Climate Change Management (Keynote speech), Proceeding Book of conference RHCCM2017
https://drive.google.com/open?id=1sgd5TmyY5Oy96gyNSU_tFT04VtsI8v74rF89g-meauc
Kanthary Hotel Chiang Mai, Thailand
- 10) Nobutaka Ito (2017) Technology for Multi-purpose use Rice Mechanization, Proceedings of MIER Joint symposium on Mechanical Engineering - Industrial Engineering & Robotics, between Muroran Institute of Technology & Chiang Mai University, UNISERV, CMU, November 16 ~ 18, 2017
- 11) Nobutaka Ito (2017) How Asian agriculture should be changed and promoted for Regional Community Development, (Keynote speech), The International Conference on Agricultural and Bio-system Engineering, Nong Lam University, Vietnam, December 19 ~20, 2017
- 12) Sermkiat, Nobutaka Ito (2018) Forest farm for Haze Free, Proceeding s of The 11th TSAE

- International Conference, 26~27 April, Chulaborn International Convention Center (Wora Wara Hua Hin Hotel & Convention) Hua Hin, Prachuap Khin Khon, Thailand
- 13) Noutaka Ito (2018) FFA (Future Farmers of Asia) growing program, Proceedings of The 11th TSAE International Conference, 26~27 April, Chulaborn International Convention Center (Wora Wara Hua Hin Hotel & Convention) Hua Hin, Prachuap Khin Khon, Thailand
 - 14) Nobutaka Ito (2018) Food and Energy Farm, 7th CMU-KU Joint Symposium 2018, August 27 -29, 2018, Chiang Mai University, Thailand
 - 15) Nobutaka Ito (2018) Which is which, Biomass or solar for food and energy? SAFE NETWORK International workshop, October 18 - 21, I'M Hotel, Manila, Philippines
 - 16) Nobutaka Ito (2018) Technology and Culture, International Seminar on Millennial and Tomorrow's world, Warmadewa University, Bali, Indonesia, November 24, 2018.
 - 17) Sermkiat Jomjunyong, Nobutaka Ito (2018) Modeling for estimating Energy loss and CO2 emission from forest burning, Programme & Book of abstracts, F-07, P. 92, SEE 2018 Proceedings of The 7th of International Conference on Sustainable Energy and Environment: Technology and Innovation for Global Energy Revolution, P. 105 - P. 109, November 28 -30, 2018, Chatrium Hotel Riverside, Bangkok, Thailand
 - 18) **Nobutaka Ito (2018) Technologies for agrimation and agro-industry, *ISHS Acta Horticulturae 1213 III Asia Pacific Symposium on Postharvest Research, Education and Extension: APS2014* October 5, 2018, <https://www.actahort.org/books/1213/>**
 - 19) Nobutaka Ito (2018) Does EV make Renewable Energy useless?, Keynote lecture, 2nd Maejo - Engeneo International Conference on Renewable Energy, The wisdom of Agriculture and Renewable Energy, Proceedings of MEICRE 2018 December 14-15, 2018 at International Education and Training Center, Maejo University, page 4, Chiang Mai, Thailand
 - 20) Nobutaka Ito (2019) Where does Electric Vehicle drive renewable energy?, Proceeding of The 12th TSAE International Conference 14-15 March 2019, Hard Rock Hotel, Pattaya, Thailand (Keynote speech as Invited Guest speaker)
 - 21) Nobutaka Ito (2018) Asian Agriculture Growth Strategy, International Conference on Material, Machines and Methods for Sustainable Development, published in the Journal of Applied Mechanics and Materials (ISSN print 1660-9336 and ISSN web 1662-7482) published from Trans tech Publisher. (<https://www.scientific.net/AMM>) (Book)
 - 22) Nobutaka Ito (2019) "Technologies for agrimation and agro-industry" **Nobutaka Ito (2018) Technologies for agrimation and agro-industry, *ISHS Acta Horticulturae 1213 III Asia Pacific Symposium on Postharvest Research, Education and Extension: APS2014* October 5, 2018, <https://www.actahort.org/books/1213/> (Book)**
 - 23) Nobutaka Ito (2019) Urban Farming and Research Innovation, Mini- symposium on Urban

- Farming and Research Innovation, Andalas University, Padang, Indonesia (Keynote Presentation as Invited Guest speaker), April 26 - 30, 2019.
- 24) Nobutaka Ito (2019) SAFE NETWORK, Summer course, Indonesia Towards Leading Agro-industry in Local Wisdom- based Food and Bio-energy Sovereignty, "How Agriculture can achieve the Goal for Food and Energy Sovereignty", Bandung, Indonesia, July 29 & 30, 2019.
 - 25) Nobutaka Ito (2019) FFAGPI, Future Farmers of Asia Growing Program Initiative, Invited speech, Green Agri - Food Energy Production for a better world in a changing climate, Conference Program & Paper abstract, Phuket, Thailand, October 18 - 21, 2019
 - 26) Nobutaka Ito (2019) How the Asian Agrifuture can be achieved, Agrifuture Conference & Exhibition 2019, The True Digital Park, Bangkok, December 2-3, 2019 (as invited speaker)
 - 27) Sermkiat Jomjunyong, Nobutaka Ito (2020) Haze Free Forest Farm in Thailand, The conference of Industrial Engineering Network (IE NETWORK 2020) May 7, 2020
 - 28) Nobutaka Ito (2020) [Community based ASIAN AGRIFUTURE: How it can be achieved \(Page #06\) AGRI MECH magazine, July 2020. The digital edition of AGRI MECH \(July 2020\)](#)
[AGRI MECH](#) presents its latest online edition of *July 2020*,
 - 29) Nobutaka Ito (2020) University goods manufacturing program combined with engineering education, Maejo International Journal of Energy and Environmental Communication
<http://www.mijeec.mju.ac.th/Upload/Journal/21959ea8-aada-49e1-9163-b3b68d84be4e.pdf> It was published on Issue 2, volume 1, year 2019 of Maejo International Journal of Energy and Environmental Communication journal.
 - 30) Nobutaka Ito (2020) Asian Agrifuture: How the Asian Agriculture can be achieved, The 7th International Conference of TSAE, Thai Society of Agricultural Engineering, July30, 2020, Suranaree University of Technology, Korat, Thailand
 - 31) Nobutaka Ito (2021) Work Preparation & Continuing Self-Development for Undergraduate Students, Prepared for special talk in the course on April 16, 2021
 - 32) Nobutaka Ito (2021) ENGINEERING RESEARCH METHODOLOGY for Graduate Students Prepared for special talk in the course on April 17, 2021
 - 33) Nobutaka Ito (2021) Hyper Low Cost Rice Mechanization System, The 14th of the TSAE International Conference and the 22nd TSAE National Conference, Paper Code No. 10, May 12 - 13, 2021 organized and hosted Khon Kaen University, Khon

Kaen, (Awarded for good presentation award by TSAE organizing committee)

- 34) Nobutaka Ito (2021) Technology for overcoming the global tetralemma, Contribution Number 60011, SIGNAL 2021. The Sixth International Conference on Advances in Signal, Image and Video Processing SIGNAL 2021, May 30, 2021 to June 03, 2021,- Valencia, Spain (Keynote lecture)
- 35) Nobutaka Ito (2022) Asia Techno Farm Initiative for growing Future Farmers of Asia, International Journal on Advances in Systems and Measurements, 2021 vol.14, number 1&2, pp. 162-177.,