

Kampanad Bhaktikul

Assistant Professor

Faculty of Environment and Resource Studies (FERS)
Mahidol University (MU), Salaya
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EDUCATION & INTERNATIONAL TRAININGS

Science and Engineering

- PhD Civil and Environmental Engineering, The University of Edinburgh, UK, (1997-2001)
- MSc Technology of Environmental Management, MU, THA, (1988-1992)
- Dip Irrigation Engineering, School of Irrigation, Royal Irrigation Department, THA, (1981-1984)
- Cert Maths & Science Program, Suankularb Wittayalai School, BKK, THA, (1976-1981)
- Cert Integrated Coastal Zone Management, Coastal Resource Institute, Prince of Songkla University, THA. Apr, 1995
- Cert Irrigation /Water Management, Tsukuba International Agricultural Training Centre (TIATC), Tsukuba, Japan. May-Oct, 1991
- Cert Buried Pipe Distribution Systems for Irrigation, Loughborough University, UK organised by Royal Irrigation Department, THA. 1991

Social Science and Humanities

- Coursework on MA program in Mass Communication, Chulalongkorn University, THA, (1989-1991)
- BEd (part-time) English Language, Ratanakosin United College (Pranakorn), THA, (1986-1988)
- Cert Academic English, Inst. for Applied Language Studies, The University of Edinburgh, UK 1997
- Cert Intermediate Japanese Language, Tsukuba International Center (TBIC), Tsukuba, Japan, 1991

HONORS AND AWARDS

- Royal Thai Government Scholar (National Energy Policy Office, NEPO) 1997-2001
- Royal Thai Government Scholar (Dept. of Technical and Economics Cooperative, DTEC) 1995
- Japan International Cooperation Agency Scholar (JICA) 1991
- German Technical Zecricherieh - DAAD Scholar 1988-1990

RESEARCH INTERESTS

Developing improved methods for modelling complex water resources systems. Current application areas are in surface water management, optimum planning and management of water resource system, real time equitable water allocation and water scheduling in complex irrigation systems under scarcity period using Genetic Algorithms and other adaptive systems, computer modeling for environmental management, and environmental impact assessment of water resource development works, water-related disasters, integrated water resources management.

PROFESSIONAL EXPERIENCE

- 2004-date Vice-chair, Lecturers Council, FERS
- Advisory Board, MSc program in Industrial Ecology, FERS
- 2002-date Assistant Professor, Water Resources Planning and Management, FERS
- Advisory Board, PhD program in Environment and Resource Studies, FERS
- 2002-2004 Advisory Board, MSc program in Environmental Management, FERS
- 2002-2003 Committee, MSc program in Natural Resource management, FERS
- 1995-1997 Director, BSc program in Environmental Science and Technology, FERS
- 1993-2002 Lecturer, Water Resources Planning and Management, FERS
- 1984-1993 Irrigation Engineer, Royal Irrigation Department, THA

TEACHING EXPERIENCE

- 2004-date Social Geography in Southeast Asia
2003-date Environmental Problems in Southeast Asia, Integrated Survey, Chaos and Fractals, Information Technology for Engineers
2002-date Water and Air Quality Modelling, Mekong Dams and Impacts to the River Basin
Computer Simulation Techniques, Communication Theories
2001-date C Programming, Genetic Algorithms and Applications, Water Resource Conservation
Watershed Management, International Watercourse
1993-date Hydrology, Water Resources Planning and Management, Water Resources System Analysis

Thesis Advisor

- 2002-date Graduate School, Irrigation College, Faculty of Engineering, Kasetsart University, BKK
1993-date Graduate School, FERS, MU, Salaya

Invited Lecturer

- 2002- date Southeast Asia Studies Program, Thammasat University, BKK
2001- date Faculty of Economics, Thammasat University, BKK
2001 Faculty of Science, Chulalongkorn University, BKK
1995- date Boromrajonani College of Nursing, BKK

PROFESSIONAL SERVICE

- | | |
|--------------------------------|---|
| Thai-UK Alumni Network | Member |
| The Siam Society | Member |
| National Water Resources Board | Committee, Human Resources Development on Hydrology |
| Mahidol University Alumni | Member |
| Irrigation Engineering Alumni | Member and Academic Committee |
| National Research Council | Sub-committee, Water Resources Research and Development for Agriculture (1993-95) |

BOOKS

- Bhaktikul, K. 2004. "Forecasting and Warning of Floods and Droughts", Thailand Research Fund, Irrigation Development Institute. Nonthaburi. ISBN 974-40323-3-2
Bhaktikul, K. 2004. "Genetic Algorithms and Applications with C", *A Handbook for Training Course at Irrigation Development Institute*. Royal Irrigation Department, and for a course of ENIM 538: Computer Simulation Techniques, FERS MU 120p.

SOFTWARES

- Bhaktikul, K. 2004. "**GAWS-2004**", Genetic Algorithms for Water Scheduling. Version 2004. Copyright No.80743. Intellectual Property Department, THA.
Wardlaw, R.W. and Bhaktikul, K. 2004. "**GAWT-2004**", Genetic Algorithms for Water Scheduling Plus Time Function. Version 2004. Copyright No.80744. Intellectual Property Department, THA.
Wardlaw, R.W. and Bhaktikul, K. 2004. "**GAWA-2004**", Genetic Algorithms for Water Allocation. Version 2004. Copyright No.80745. Intellectual Property Department, THA.
Wardlaw, R.W. and Bhaktikul, K. 2004. "**GAWM-2004**", Genetic Algorithms for Water Scheduling with Soil Moisture Balance Model. Version 2004. Copyright No.80746. Intellectual Property Department, THA.

INTERVIEWED

- December 2004 "*Indigenous Knowledge that Lost in the Estuarine.*", "*When fishes can consume the star-4*" *State of the Environment in 2004. Thai Society of Environmental Journalists pp 188-213.*
June 2003. "*Eco Awareness*". *Nation Junior Magazine. Vol.11. Issue 260 June 1-15, pp 26-27.*

JOURNALS, CONFERENCE ABSTRACTS & PUBLICATIONS

- Wardlaw, R.W., and Bhaktikul, K. 2004. "Comparison of Genetic Algorithm and Linear Programming Approaches for Lateral Canal Scheduling", *J. Irrigation and Drainage Engineering, American Society of Civil Engineers (ASCE)*. 130(4)311-317.
- Wardlaw, R.W., and Bhaktikul, K. 2004. "Application of Genetic Algorithms for Irrigation Water Scheduling". *J. of Irrigation and Drainage Engineering, John Wiley & Sons*.
- Bhaktikul, K., and Rewtarkulpaibool, L. 2004. "Study of Conflicts and Solutions in a Non-integrated Irrigation Management System: A Case Study of Songkla River Basin", *Paper presented at 9th GWP Consulting Partners Meeting, Kuala Lumpur, Malaysia, 10th Jun*.
- Rewtarkulpaibool, L., and Bhaktikul, K. 2004. "Integrated and Non-integrated Water Resource Management: New Dimension that Must Turn Back to See". Case Study of Songkla Lake, Kasetsart University, Engineering Alumni.
- Bhaktikul, K. 2004. "Genetic Programming with C" *Cholakorn J.- Xuchati day, Irrigation Engineering Alumni, 101-110. ISBN 974-91836-0-6*
- Tingsanchali, T., and Bhaktikul, K. 2004. "Application of Genetic Algorithm in Irrigation Scheduling". *Proceeding of The International Conference Water India-4 on Water Resource Development- Flood Control, Irrigation, Drinking Water, Water Ways, Electric Power and IOTs Transmission System. 3th-4th Feb, Hotel Hyatt Regency, New Delhi, India*.
- Tingsanchali, T., and Bhaktikul, K. 2003. "Analysis of Ecohydrology of Soil Moisture Balance for Irrigation Scheduling". *Proceeding of The 2nd Asia-Pacific Workshop on Ecohydrology. 21st-26th Jul, Cibinong, West Java, Indonesia*.
- Bhaktikul, K. 2003. "Application of GA to scheduling of lateral canals grouping", *Proceeding of the 30th Anniversary and Annual Conference 35-46. ISBN 974-05-0282-2. FERS, MU. 19th-20th Jun, Chulabhorn Research Institute, BKK. pp. 35-46*
- Charoenporn, A., Bhaktikul, K., Gajaseni, N., and Saguanwong, P. 2003. "Environmental Economic Valuation of Teak Plantation in Thailand: Case Study of Thongphaphum Teak Plantation (TTP), Kanchanaburi Province". *Proceeding of the 30th Anniversary and Annual Conference ISBN 974-05-0282-2. FERS, MU. 19th-20th June, Chulabhorn Research Institute, BKK. pp.322-334*.
- Supmaneean, N., and Bhaktikul, K. 2003. "A Study on the Consumptive Use of Water Hyacinth, Water Lettuce, and Duckweed". *Proceeding of the 30th Anniversary and Annual Conference ISBN 974-05-0282-2. FERS, MU. 19th-20th June, Chulabhorn Research Institute, BKK. pp.474-485*.
- Bhaktikul, K. 2003. Strength and Weakness of Warning and Forecasting System on Water Related Disaster in Thailand, *Environment Newsletter, 11(45)11. ISSN 0585-794. FERS, MU. Mar-Apr*.
- Bhaktikul, K. 2003. Strength and Weakness of Warning and Forecasting System on Water Related Disaster in Thailand, *Environment Newsletter, 11(44)6. ISSN 0858-794. FERS, MU. Jan-Feb*.
- Bhaktikul, K. 2003. "A Story of a Waterman as a Royal Thai Government Scholarship Student in UK at IMF Period", *Cholakorn J. - Welcome Waterman'58, 117-128*.
- Bhaktikul, K. 2003. "Applications of Genetic Algorithms for Water Resources Management", *Cholakorn J.- Xuchati day, Irrigation Engineering Alumni, 128-144*.
- Bhaktikul, K. 2002. Strength and Weakness of Warning and Forecasting System on Water Related Disaster in Thailand, *Environment Newsletter, 11(43)6. ISSN 0858-7094. FERS, MU. Nov-Dec*.
- Bhaktikul, K. 2001. "An application of artificial intelligence using natural selection theory of Charles Darwin for water management", *J. of Ecosystem Perspectives, 28(3)22-35. ISSN 0125 8990. FERS, MU*.
- Wardlaw, R.W., and Bhaktikul, K. 2001. "Application of a Genetic Algorithm for water scheduling problem in an irrigation system", *J. of Irrigation and Drainage Engineering, 50(2)159-170.. John Wiley & Sons. ISSN 1531-0353*.
- Bhaktikul, K., and Wardlaw, R.W. 2001. "Application of GA to a lateral canal scheduling problem", *Proceeding of the 28th Annual Conference. FERS, MU. 26th Sep, Royal City Hotel, BKK*.
- Bhaktikul, K. 2000. "Application of A Genetic Algorithm to water allocation in an irrigation canal system", *Paper presented on Postgraduate Research in Hydraulics and Hydrology in Scotland: 12th Jan, Scottish Hydraulics Study Group & Scottish Hydrological Group. Strathclyde University, UK*.

- Bhaktikul, K. 1999. "Application of Genetic Algorithm to water allocation in an irrigation canal system", *Paper presented on 9th Postgraduate Symposium, British Hydrological Society, Bristol University, Bristol, UK.*
- Bhaktikul, K. 1995. "Natural Resources Development and Environmental Management for Upper Mekong Basin and Pearl River Delta: Water Balance Study", *Paper presented on The Sino-Thai Workshop: 7th -16th May, Yunnan, China.*
- Boonkird, V., Suwachirat, B., Pongsuwan, S., Khao-Upatam, V., Piyasirinond, B., Kamchoo, M., Punyawateenan, C., and Bhaktikul, K. 1994. "Analyses of research works for irrigation development in the next decade", *Cholasarn J., The 51th Anniversary of Irrigation Department Union, September 9th, Royal Irrigation Department, BKK.*
- Bhaktikul, K. 1993. "Environmentalism: for better understanding". *Western Waterman J., Royal Irrigation Department. BKK.*

RESEARCH WORKS & REPORTS

- Bhaktikul, K., To-im, J., and Thanomsinrat, A. 2005. "Post-Tsunamis Rapid EIA on Water Resources at Southern Peninsular, Thailand.", FERS, MU.
- Rewtarkulpaibool, L., Bhaktikul, K., Suepsahakarn, R., and Pratyasitthikul, L. 2004. "Development of Master Plan for Songkla River Basin Development: Irrigation System Study." Irrigation Development Institute. Nonthaburi.(Draft Final Report)
- Bhaktikul, K. et.al. 2003. "Development of Master Plan for Management of Water-related Natural Disasters: Floods, Droughts and Landslides, Working group of Flood Warning and Forecasting, Thailand Research Fund.(Final Report)
- Bhaktikul, K. 2001. "The Development of a Genetic Algorithm for Real Time Water Allocation and Water Scheduling in Complex Irrigation Systems." Ph.D. Thesis. School of Civil and Environmental Engineering, The University of Edinburgh, UK.
- Bhaktikul, K. 1996. "Water balance study, Environmental study of Suphanburi province", FERS, MU.
- Bhaktikul, K. 1996. "Water balance study, Environmental study of Rajaburi province", FERS, MU.
- Bhaktikul, K. 1996. "The study on environmental impact assessment of Fang Electrical Power Plant: Water resource hydrology; water management and water use, flood control and drainage", FERS, MU.
- Prajamwong, S., and Bhaktikul, K. 1996. "Post-investigation of hydraulic effect", The environmental impact study of Rasrisalai diversion dam, Faculty of Environment and Resource Studies, MU.
- Suwachirat, B., Boonkird V., Pongsuwan S., Khao-Upatam, V., Piyasirinond, B., Kamchoo, M., Punyawateenan, C., and Bhaktikul, K. 1995. "Analysis on technological needs for irrigation development in the next decade", Phase 2 report, National Research Council of Thailand.
- Bhaktikul, K. 1995. "The study on criteria for specification of irrigation project using Expert Choice", Operation and Maintenance Division, Royal Irrigation Department. BKK.
- Suwachirat, B., Boonkird, V., Pongsuwan, S., Khao-Upatam, V., Piyasirinond, B., Kamchoo, M., Punyawateenan, C., and Bhaktikul, K. 1995. "Analysis on technological needs for irrigation development in the next decade", Phase 1 report, National Research Council. BKK.
- Bhaktikul, K. 1994. "Water balance study of Southern Sea Board Development Project, Faculty of Environment and Resource Studies", MU.
- Khao-Upatam, V., and Bhaktikul, K. 1994. "The study on environmental impact assessment of lower central combined cycle, Rajaburi Power Plant Project: water resource hydrology; water management and water use, flood control and drainage", Faculty of Environment and Resource Studies, MU.
- Bhaktikul, K.1992. "Strategy workshop on irrigated agriculture in Southeast Asia beyond 2000", Paper presented in Indonesia, Royal Irrigation Department. BKK.
- Bhaktikul, K.1992. "The Possibility Study on Utilization of Drained Water From Giant Freshwater Prawn' Pond in Rice Production." M.Sc. Thesis. Graduate Studies, MU.
- Bhaktikul, K. 1991. "Feasibility study of Bangpluang rehabilitation project, Engineering Branch", Operation and Maintenance Division, Royal Irrigation Department, BKK.

Punyawateenan, C., and Bhaktikul, K. 1990. "The study on irrigation water use in integrated farm pond and paddy field area", *Thailand Res. on Irri. Mgmt. Network*.

PUBLICATIONS ONLINE

- Bhaktikul, K., To-im, J., and Thanomsinrat, A. 2005. "Post-Tsunamis Rapid EIA on Water Resources at Southern Peninsular, Thailand.", FERS, MU.
<http://203.155.16.66/tsunami.html>
http://www.osk99.com/pdf/after_tsunami_doc.pdf
- Wardlaw, R.W., and Bhaktikul, K. 2004. "Comparison of Genetic Algorithm and Linear Programming Approaches for Lateral Canal Scheduling", *J. Irrigation and Drainage Engineering, American Society of Civil Engineers (ASCE)*. 130(4)311-317. <http://scitation.aip.org/iro/>
- Wardlaw, R.W., and Bhaktikul, K. 2004. "Application of Genetic Algorithms for Irrigation Water Scheduling". *J. of Irrigation and Drainage Engineering, John Wiley & Sons*.
<http://www.interscience.wiley.com>
- Tingsanchali, T., and Bhaktikul, K. 2004. "Application of Genetic Algorithm in Irrigation Scheduling." *Proceeding of The International Conference Water India-4 on Water Resource Development- Flood Control, Irrigation, Drinking Water, Water Ways, Electric Power and IOTs Transmission System* 3rd-4th Feb, Hotel Hyatt Regency, New Delhi, India. http://www.indiapower.org/events_cwrdd.htm
- Tingsanchali, T., and Bhaktikul, K. 2003. "Analysis of Ecohydrology of Soil Moisture Balance for Irrigation Scheduling". *Proceeding of The 2nd Asia-Pacific Workshop on Ecohydrology*. 21st-26th Jul, Cibinong, West Java, Indonesia. http://www.limnologi.lipi.go.id/eco/Sci_ses.htm
- Brockelman, Y.W., and Bhaktikul, K. 2003. "MEKONG: THE RIVER OF LIFE: What Are the Impacts? What will be Lost in Southeast Asia?" A Seminar Program at The Siam Society, 11th Oct, <http://www.siam-society.org/event/lecturedetail.asp?id=55>
- Bhaktikul, K. 2003. "Application of GA to scheduling of lateral canals grouping", *Proceeding of the 30th Anniversary and Annual Conference* 35-46. ISBN 974-05-0282-2. FERS, MU. 19th-20th Jun, Chulabhorn Research Institute, BKK. pp. 35-46.
<http://www.cri.or.th/~estm/publications/2003-D11.htm>
- Cherdchoo, K., Poothong, S., Suwanich, P., and Piyapongse, P. 2003. "Inland Sand Deposit Classification for Construction: A Case Study of Wat-Sing District Chainat Province." *Thesis Abstract FGS, MU*. ISBN 974-04-3554-8
<http://www.grad.mahidol.ac.th/share/thesis/showup.php?gp=6&fac=18&maj=146&lang=en>
- Charoenporn, A., Bhaktikul, K., Gajaseni, N., and Saganwong, P. 2003. "Environmental Economic Valuation of Teak Plantation in Thailand: Case Study of Thongphaphum Teak Plantation (TTP)", Kanchanaburi Province. *Proceeding of the 30th Anniversary and Annual Conference* 35-46. ISBN 974-05-0282-2. FERS, MU. 19th-20th June, Chulabhorn Research Institute, BKK. pp.322-334.
<http://www.cri.or.th/~estm/publications/2003-D08.htm>
Thesis Abstract FGS, MU. ISBN 974-04-3318-9
<http://www.grad.mahidol.ac.th/share/thesis/showup.php?gp=6&fac=18&maj=146&lang=en>
- Supmaneean, N., Bhaktikul, K., Thavipoke, P., and Boonkird, V. 2003. "A Study on the Consumptive Use of Water Hyacinth, Water Lettuce, and Duckweed." *Proceeding of the 30th Anniversary and Annual Conference* 35-46. ISBN 974-05-0282-2. FERS, MU. 19th-20th Jun, Chulabhorn Research Institute, BKK. pp.474-485. <http://www.cri.or.th/~estm/publications/2003-D10.htm>
Thesis Abstract FGS, MU. ISBN 974-04-3380-4
<http://www.grad.mahidol.ac.th/share/thesis/showup.php?gp=6&fac=18&maj=146&lang=en>
- Sittilert, C., Bhaktikul, K., Pongsomlee, A., Santasombat, Y., and Palayasoot, P. 2003. "A Capability Study of Water Users' Organizations in Water Management: A Case Study of Mae-Taeng Irrigation Project." *Thesis Abstract FGS, MU*. ISBN 974-04-3870-9
<http://www.grad.mahidol.ac.th/share/thesis/showup.php?gp=6&fac=18&maj=12&lang=en>

- Sansena, T. Bhaktikul, K., Kulpradit, K., and Khao-uppatum, V. 2003. "The Application of Hydraulic Model with Geographic Information System for Obtaining Data to Create Flood Risk Mapping in the Upper Part of Mae Kong River". *Thesis Abstract FGS, MU. ISBN 974-04-4622-1*
<http://www.grad.mahidol.ac.th/share/thesis/showup.php?gp=6&fac=18&maj=9&lang=en>
- Wardlaw, R.W., and Bhaktikul, K. 2001. "Application of a Genetic Algorithm for water scheduling problem in an irrigation system", *J. of Irrigation and Drainage Engineering*, 50(2)159-170.. *John Wiley & Sons. ISSN 1531-0353.* <http://www3.interscience.wiley.com>
- กัมปนาท ภัคดีกุล จงดี โต๊ะมิม อนุชัย ถนอมสินรัตน์ 2548 รายงานการประเมินผลกระทบสิ่งแวดล้อมอย่างเร่งด่วน ด้านแหล่งน้ำ คณะสิ่งแวดล้อมและทรัพยากรศาสตร์ มหาวิทยาลัยมหิดล
<http://203.155.16.66/tsunami.html>
http://www.osk99.com/pdf/after_tsunami_doc.pdf
- กัมปนาท ภัคดีกุล 2547. โครงการฝึกอบรมหลักสูตร "พันธกรรมคอมพิวเตอร์-ทางเลือกใหม่ของการ จัดการน้ำในยุคโลกาภิวัตน์" รุ่นที่1-3/2547 <http://203.155.16.66/idi/gas/gas.html>
- กัมปนาท ภัคดีกุล 2546. โครงการฝึกอบรมหลักสูตร "เทคโนโลยีสารสนเทศกับงานชลประทาน" รุ่นที่ 1, 11-14 มีค. 2546 สถาบันพัฒนาการชลประทาน <http://203.155.16.66/idi/activity/eirri/eirri1.html>
- กัมปนาท ภัคดีกุล 2546. การบรรยายพิเศษ เรื่อง "การนำเสนอโครงการชลประทานด้วยระบบเทคโนโลยีสมัยใหม่" สถาบันพัฒนาการชลประทาน <http://203.155.16.66/idi/activity/acttech.html>
- กัมปนาท ภัคดีกุล 2546. โครงการฝึกอบรมหลักสูตร "พันธกรรมคอมพิวเตอร์-ทางเลือกใหม่ของการ จัดการน้ำในยุคโลกาภิวัตน์" รุ่นที่1-2/2546 <http://203.155.16.66/idi/gas/gas.html>
- กัมปนาท ภัคดีกุล 2545. การจัดประชุมระดมความคิดเห็นของผู้ทรงคุณวุฒิเพื่อพัฒนาแผนหลักการ จัดการภัยธรรมชาติที่เกี่ยวข้องกับน้ำ : น้ำท่วม น้ำแล้ง และแผ่นดินถล่ม หัวหน้าคณะทำงานด้านการพยากรณ์ และเตือนภัย 25 พย. 2545 สถาบันพัฒนาการชลประทาน <http://203.155.16.66/idi/4jan46.html>

INTERNATIONAL VISITS & CONFERENCES ATTENDED

- 2004 Workshop II on National Performance Assessment and a Strategic Environmental Framework for The Greater Mekong Sub-region: SEF II 20th-22th Dec, Chantaburi.
- 2004 The 3rd IUCN World Conservation Congress (BKK World Conservation Congress), 17th -25th Nov, Queen Sirikit National Conference Hall, BKK.
- 2004 Workshop I on National Performance Assessment and a Strategic Environmental Framework for The Greater Mekong Sub-region: SEF II 3rd -5th Sep, Pattaya.
- 2004 1st Malaysian Water Week and 9th GWP Consulting Partners Meeting, 7th -12th Jun. Kuala Lumpur, Malaysia.
- 2004 "Water Resources Policy: The Revolution of Human and Water Management" Water Resources Management Policy Network, 9th Jan, Nonthaburi.
- 2003 "First Southeast Asia Regional Water Forum" 17th-21st Nov, Chiang Mai.
- 2003 "Scholars and the Development of Biotechnology of Thailand" The seminar cooperated by Ministry of Science and Technology and BITEC, 17th Sep, BKK.
- 2003 "Integrating Ecohydrology and Phytotechnology into Workplans of Government, Private, and Multinational Companies". The 2nd Asia-Pacific Training Workshop on Ecohydrology, Sponsored by LIPI, UNESCO, IHP, and UNEP, 21st-26th Jul, Cibinong, Indonesia,
- 2003 "Natural Resource Conflicts and Environmental Security: New Vulnerability and New Vigilance". Inter-University Short Executive Program, 14th – 18th Jul. FERS, MU.
- 2003 "Protecting and Reclaiming the Environment Traditional Practices and Wisdom". The 30th Anniversary and Annual Conference of FERS, 19th-20th Jun, Chulabhorn Research Institute, BKK.
- 2003 "International Perspectives on Environmental Public Policy", Pazmany Peter Katolikus Egyetem, Budapest, organised by University of San Francisco and Pazmany Peter Katolikus Egyetem, 2nd-4th Jun, Hungary.
- 2003 "Dissemination of National Study and Report on Climate Change and Kyoto Protocol", Century Park Hotel, BKK, 28th Jan, organised by FERS, MU.

- 2003 “Workshop on the Evaluation of Educational Materials for Wetland Resource”, organised by Institute for Global Environmental Strategies (IGES), Ramsar Center Japan (RCJ), and FERS, MU. 7th-9th Jan, KU Home, BKK.
- 2002 “Direction of Sustainable Development in Thailand after World Summit on Sustainable Development at Johannesburg”, organised by Ministry of Foreign Affair, supported by National Committee on Human Right, NGOs Cooperation Committee, and Institute of Good Governance for Social and Environmental Development, 6th Nov, BKK.
- 2002 “Direction of Sustainable Development in Thailand after World Summit on Sustainable Development at Johannesburg”, organised by Chulalongkorn University, supported by Heinrich Boell Foundation, 30th Sep, BKK.
- 2002 The Ramsar Center Japan (RCJ) Special Forum on Follow up of Asian Wetland Symposium 2001 and Penang Statement, Royal Gems Lodge 2000, 29th Jun-1st Jul, Salaya, Nakhon Pathom.
- 2002 “Decentralization in Environmental Management: Participation & Local Capacity Building”. The Annual Conference of Thailand Environmental Institute, 1st May, Queen Sirikit National Conference Hall, BKK.
- 2001 “Climate Change and Bio-diversity”. The 28th Annual Conference of FERS, MU. 26th Sep, Royal City Hotel, BKK.
- 2001 “Conclusions of Experiencing on Watershed Administration”. National Water Resource Board. 2nd Aug, Royal Princess Hotel, BKK.
- 2001 “Knowledge-based Economies: Another Step in Science and Technology of Thailand”. The Annual Conference of National Science and Technology Development Agency, 20th -24th Jun, Queen Sirikit National Conference Hall, BKK.
- 2000 Conference on Postgraduate Research in Hydraulics and Hydrology in Scotland: Scottish Hydraulics Study Group & Scottish Hydrological Group. Strathclyde University, 12th Jan, Glasgow, Scotland.
- 1999 British National Committee Irrigation & Drainage Research Meeting, 17th Mar, Hydraulic Research Wallingford, England.
- 1999 The 9th Postgraduate Symposium, British Hydrological Society, Bristol University, England.
- 1998 Symposium on Remote Sensing & GIS in Hydrology. 15th Apr, Institute of Civil Engineers. Scottish Hydrological Group, Edinburgh, Scotland.
- 1997 The 18th European Regional Conference on Irrigation and Drainage. 9th-11th Sep, The International Commission on Irrigation and Drainage (ICID), Oxford, England.
- 1995 International Symposium on Natural Resource Development and Environmental Management for Upper Mae-Kong Basin and Pearl River Delta. 6th-16th May, Kunming Yunnan, P.R. China.
- 1995 “Integrated Coastal Zone Management”, 1st -30th Apr, Coastal Resource Institute, Prince of Songkla University.
- 1994 The Second Sino-Thai Symposium on Management and Exploitation of River Valleys, emphasis on The Management and Development of the Upper Me-Kong Basin, 15th to 24th Nov, Chiang Mai/ Chiang Rai.
- 1994 Asian Regional Workshop on Public Awareness of Biodiversity in Wetland. Ramsar Center Japan. FERS, MU.
- 1994 International Symposium on Urbanisation and Forests. Chiang Mai University, Chiang Mai.
- 1994 Seminar on People Participation on Conservation and Rehabilitation of Watershed in Northern Thailand. By Department of Environmental Quality Promotion. 25th-26th Aug, Chiang Mai.
- 1993 Seminar on Man and Water. National Research Council and RID. San-Ti-Mai-Tree Hall, Government House. Thailand.
- 1993 Seminar on Analysis on Technological Needs for Agricultural Development in the Next Decade Phase 2. National Research Council of Thailand, BKK.
- 1993 Workshop Training Program for MSc Student on Environmental Systematic Planning for Korat Plateau Development: Case Study of Phong Basin, Thailand and Nam-Ngum Basin, Laos P.D.R., 15th -29th May. Thailand and Laos P.D.R.

- 1992 Seminar on Analysis on Technological Needs for Agricultural Development in the Next Decade Phase 1. National Research Council of Thailand, BKK.
- 1992 Seminar on Policy Management and Planning on Operation and Maintenance of Irrigation. Operation & Maintenance Division, RID, Trad.
- 1992 The Expert Consultation of The Asian Network on Irrigation/Water Management for Sustainable Agricultural Development. FAO (RAPA), BKK.
- 1991 Study Visits on Irrigation/Water Management, To-Nay River System; Naramata Dam and Yakizawa Dam, Subsurface Dam Construction at Okinawa Isle, Taketomi Isle, Ishigaki Isle, and Miyako Isle, Japan.
- 1989 Study Visits on Environmental Management at Forestry Department, Palm Oil Research Institute of Malaysia. Penang, Ipoh, Kedah, KL, Singapore City. Malaysia and Singapore.

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