

# WONG POH POH - CURRICULUM VITAE

## A) PERSONAL

### Personal data

Born in Singapore, 3 July 1945  
Citizen of Singapore  
Married

### Present appointment

Associate Professor  
Department of Geography, National University of Singapore  
1 Arts Link, Singapore 117570

### Contact

Tel : 65-65163859  
Fax : 65-67773091  
Office e-mail : geowpp@edu.nus.sg  
Home e-mail : ppwong@pacific.net.sg

### Degrees

Ph.D., McGill University, 1971 (Beach changes and sand movement in low energy environments, west coast, Barbados)  
M.A., Univ. of Singapore, 1969 (Some aspects of the surface configuration of Singapore)  
B.A. (Class 1 Hons.), Univ. of Singapore, 1966 (The coastal types of Singapore)

### Additional professional training

Integrated Coastal Zone Management (UNESCO-IHE, 2006)  
Ecotourism Planning and Management (George Washington University, 1995),  
Teaching Tourism (University of Surrey, 1987)  
Planning and Development of Tourism (University of Surrey, 1987)  
Tourism Marketing (CIEST, 1980).

### Society membership

Geological Society of Malaysia (Life Member)

## B) ACADEMIC WORK

### Courses taught (\* currently in 2006-2007)

Cartography, Physical Geography, Burma, Singapore, Geographic Techniques, Geomorphology, Coastal Geomorphology, Geography of Tourism, Development of Geographic Thought, Tourism in Southeast Asia, Tourism Geographies, Research Methods in Environmental Science, Tourism Development\*, Coastal Management\*, Biophysical Environment of Singapore\*,

## **Graduate supervision and examination**

- Supervisor, M.A. *Island tourism development – evolution and opportunities for sustainability on Pulau Segayang, Riau, Indonesia*, 2006- (in progress)
- Supervisor, Ph.D. *Coastal management in Dalian*, 2003-06.
- External Examiner, M.Sc., University of Natal, *A legislative and biophysical assessment of the regulations of off-road vehicles on South African beaches*, 2003.
- External Examiner, Ph.D., University of Malaya. *Changes and processes along the Kuala Terengganu coastline during the northeast monsoon and other times of the year*, 2002.
- External Examiner, M. Tech., University of Malaya. *Sustainable tourism management: a case study of Pulau Perhentian, Terengganu, Malaysia*, 2000.
- Supervisor, M.A., *Urban tourism in the Asia-Pacific Region*, 1999-2001.
- Supervisor, M.A., *Coastal tourism on Gili Islands, Lombok, Indonesia*, 1999-2000.
- External Examiner, Ph.D., University of Malaya. *The geography of tourism in Melaka : impacts and local perceptions*, 1999.
- External Examiner, D.Phil., University of Coleraine. *Legislative controls, planning policy and tourist development on the Costa del Sol, Southern Spain*, 1994.
- Supervisor, M.A. *Orchard Road : the tourist district of Singapore*, 1990-1993.
- Supervisor, M.A. *Of bread, noodles and rice : a geographical study of food in Singapore*, 1990-1993.
- Examiner, Ph.D., *Observations on the fluvial and slope processes in Singapore and their impact on the urban environment*, 1989.
- Field supervisor, Ph.D., University of Oregon. *Guidebook Singapore : the spatial organisation of urban tourist attractions*, 1984-85.
- Supervisor, Ph.D., *Cultural-historical tourism : a study of Singapore's Chinatown*, 1983-1986.
- Supervisor, M.A., *The mental image of package tourists : a study of Singapore's tourist attractions*, 1980-82.
- Co-supervisor, M.Eng., *Processes and beach development between headland breakwaters, southeast coast of Singapore*, 1973-76.

## **Recent and current activities (post-1990)**

- Principal Investigator, NUS Staff Supported project on tsunami-impacted coasts in Aceh, southern Thailand, Tamil Nadu, and Sri Lanka, 2005-2007.
- Coordinating Lead Author, IPCC (Intergovernmental Panel on Climate Change) Fourth Assessment Report, Chapter 6 Coastal Systems and Low-lying Areas, 2004-2007.
- Lead Author, Asian-Pacific Coasts and their Management: State of the Environment, 2004-2005.
- Principal Investigator, NUS Research Project Integrated Coastal Tourism Management in Dalian, China, 2004-2006.
- Member, MOE Syllabus Review Committee Upper Secondary & Elective Geography Syllabuses, 2004
- Coordinating Lead Author, Millennium Ecosystem Assessment, Chapter 28 Small Islands, 2003-2005.

Coordinating Lead author, New Directions in Global Change Coastal Research for the Asia-Pacific Region, Asia-Pacific Network for Global Change Research (APN), 2003-2005.

Joint researcher, Sustainable tourism in Indian Ocean Islands, 2003-2005.

Collaborator, AIACC (Assessment of Impacts and Adaptation to Climate Change), Project SIS90 (Seychelles and Comoros), 2002-2005.

Member, Mid-Term Review of School Geography Syllabuses, 2002-03

Collaborator, Ecotourism project on Nangsha and Tongsha (South China Sea), 2001-2003

Resource Editor, Tourism Geographies, 1999-2004.

Associate Editor, Singapore Journal of Tropical Geography, 2002-2004

Principal investigator, STB-NUS Research Project on urban tourism, 2000-2001.

Principal investigator, NUS Research Project RP3991029 Coastal tourism on Gili Islands, Lombok, Indonesia, 1999-2000.

Member, Editorial Board, Journal of Coastal Conservation, 1999-2002

Lead Author, IPCC Third Assessment Report, Chapter 17 Small Island States, 1998-2001.

Resource person, Geography Syllabus Revision, 1997-98.

Member, National Education Team on Geography, Ministry of Education, 1997.

Expert Reviewer, IPCC Regional Impacts Special Report, 1997

Member, International Editorial Board, Asian Geographer, 1996-1998

Member, Editorial Advisory Committee, Journal of Southeast Asian Studies, 1995-2000

Principal investigator for three research projects on coastal tourism in Malaysia and ASEAN, 1985-97

Board Member, International Geography Union (IGU) Commission on Coastal Systems, 1997-2000.

Convenor, IGU Commission on the Coastal Environment project on Coastal Tourism, 1989-92

Corresponding Member, IGU Commission on the Coastal Environment, 1980-1992

Treasurer, International Association of Geomorphologists Southeast Asia Conference, 1995

Member, Geography Syllabus Committee, Ministry of Education, 1990-1992

Member, UNEP East Asian Seas Task Team on Climatic Change Implications, 1989-1990

Contributor, ASEAN-US Cooperative Program on Marine Sciences : Coastal Resources Management Project, 1989-1992

Co-editor, Tropical Geomorphology Newsletter, 1989-1997

Member, Editorial Committee of the Centre for Advanced Studies, Faculty of Arts and Social Sciences, National University of Singapore, 1990-1994

Member, Geography Syllabus Committee, Ministry of Education, 1990-93

### **Current research projects/interests**

Climate change

Coastal geomorphology

Coastal management

Coastal tourism and ecotourism

Impacts and recovery of tsunami-affected coasts

Sea level rise

Small islands

## C) PUBLICATIONS

2007

(Nicholls, R.J., P.P. Wong, V. Burkett, J. Codignotto, J. Hay, R. McLean, S. Ragoonaden and C.D. Woodroffe). Coastal systems and low-lying areas. In *IPCC WG2 Fourth Assessment Report* (under review).

(Dohmen-Janssen, C.M, E. Meilianda, B.H.P. Maathuis and P.P. Wong). State of Banda Aceh Beach before and after the tsunami. *Proceedings of the 30th International Conference on Coastal Engineering*, San Diego, California (in press).

Post-tsunami directions for integrated coastal management (accepted, *Marine Pollution Bulletin*).

2006

Post-tsunami directions for ICM. In *EMECS7, Asia-Pacific Coasts Session, Quality Status of the Asia-Pacific Coasts, Conference Report*, APN & International EMECS Center, Kobe, 72-78.

(Meilianda, E., P.P. Wong, and C.M. Dohmen-Janssen 2006). On the impact of the earthquake and tsunami of 26 December 2004 to the geomorphological settings of the west, north and east coast of Banda Aceh. *Civil Engineering and Management Report Report 2006W-001/WEM-001*, University of Twente, Enschede, The Netherlands, 37 pp.

(P.P. Wong, B.T. Lee and M.W.H. Leung). Hot spots of population growth and urbanization in the Asia-Pacific coastal zone. In N. Harvey, editor, *Global Change and Integrated Coastal Management*, Springer, 161-193.

Island tourism development strategies – implications for Jeju. *Proceedings, Jeju International Conference, Island Economies and Future Strategies for Jeju Special Self-Governing Province*, June 29-30, Jeju, Korea. The Korean Urban Geographical Society, 97-107.

(M. Gu and P.P. Wong) Residents' perception of tourism impacts: a case study of homestay operators in Dachangshan Dao, North-East China. *Tourism Geographies*, 8 : 253-273.

2005

(X.X. Lu, P.P. Wong and L.M. Loke) *Singapore's Biophysical Environment*. McGraw Hill, Singapore McGraw. 232 pp.

(P.P. Wong, E. Marone, P. Lana, M. Fortes, D. Moro, J. Agard and L. Vicente. Island systems. In R. Hassan, R. Scholes and N. Ash, editors, *Ecosystems and Human Well-Being: Current State and Trends: Findings of the Condition and Trends Group (The Millennium Ecosystem Assessment, Vol. 1)*. Washington, D.C., Island Press, pp. 663-680.

Post-tsunami challenges for CZM: some observations. *The Coastal Society Bulletin*, December 2005, pp. 1, 4, 5.

Coastal tourism, habitat restoration, and hazard mitigation. In *Proceedings of the Fourth Forum of the Regional Network of Local Governments Implementing Integrated Coastal Management: Building Better Coastal Governance through Stronger Local Alliance*. PEMSEA Workshop Proceeding No. 18, Manila, pp. 80-84.

The coastal environments of Southeast Asia. In A. Gupta, editor, *The Physical Geography of Southeast Asia*, Oxford University Press, Oxford, pp. 177-192.

Coastal zone development in Southeast Asia. In A. Gupta, editor, *The Physical Geography of Southeast Asia*, Oxford University Press, Oxford, pp. 389-401.

Reclamation. In M.L. Schwartz, editor, *Encyclopedia of Coastal Science*, Kluwer, New York, pp. 791-794.

Tourism, criteria for coastal sites. In M.L. Schwartz, editor, *Encyclopedia of Coastal Science*, Kluwer, New York, pp. 1009-1013.

Travel paradigm change: challenges and opportunities for Singapore. In V.R. Savage and M. Tan-Mullins, editors, *The Naga Challenged*, Marshall Cavendish, Singapore, 207-228.

A wave of geographical research? *Singapore Journal of Tropical Geography*, 26: 257-261.

(M. Gu and P.P. Wong) Development of coastal tourism and homestays on Dachangshan Dao, Liaoning Province, northeast China. *IRFD World Forum on Small Island Developing States: Challenges, Prospects and International Cooperation for Sustainable Development* (Virtual Conference). Online publication ([http://irfd.org/events/wfsids/virtual/papers/sids\\_mingpohpoh.pdf](http://irfd.org/events/wfsids/virtual/papers/sids_mingpohpoh.pdf))

2004

Singapore. In E. Bird, editor, *The World's Coasts: Online*, Kluwer Academic Publishers, Dordrecht. (E-publication).

Marine ecotourism and protected areas in Southeast Asia. In J-M. Lebigre and P-M. Decoudras, editors, *Les Aires Protégées Insulaires et Littorales Tropicales. Collection Îles et Archipels*, No. 32, Université de Bordeaux, Bordeaux, pp. 99-110.

Environmental impacts of tourism. In A.A. Lew, M. Hall & A.M. Williams, editors, *A Companion to Tourism Geography*, Blackwell, Oxford, pp. 450-461.

(A. Soemodinota and P.P. Wong) Patterns and processes of tourism development on the Gili islands, Lombok, Indonesia. *ASEAN Journal on Hospitality and Tourism*, 3 (2) : 77-89.

(P.P. Wong and P. Teo) *Cultural and heritage tourism : a learning experience for an island city state*. Occasional Papers on Islands and Small States, No. 1. Islands and Small States Institute, Foundation for International Studies, Malta.

2003

Some recent trends in marine ecotourism in Southeast Asia. In *Proceedings, The Third Meeting of the Project on ASPACO (Asia Pacific Co-operation for the Sustainable Use of Renewable Resources in Biosphere Reserves and Similarly Managed Areas*, 1-6 Oct 2002, Okinawa. UNESCO : Jakarta, pp. 170-178.

Tourism carrying capacity: assessment and application. In H. Yu and N. Bermas, editors, *Determining Environmental Carrying Capacity of Coastal and Marine Areas: Progress, Constraints, and Future Options*. PEMSEA Workshop Proceedings No. 11, pp. 131-142.

Tourism development and the coastal environment on Bintan Island. In S. Gossling, editor, *Tourism and Development in Tropical Islands: Political Ecology Perspectives*, Edward Elgar.

(P.P. Wong, S. Huang & C. Grundy-Warr) Tropical geography : research and reflections. *Singapore Journal of Tropical Geography*, 24 : 1-5.

Where have all the beaches gone? Coastal erosion in the tropics. *Singapore Journal of Tropical Geography*, 24 : 111-132.

Tourism development in Southeast Asia: patterns, issues and prospects. In L.S. Chia, editor, *Southeast Asia Transformed: A Geography of Change*, Institute of Southeast Asian Studies, Singapore, pp. 409-442.

2002

Tourism as a global driving force for environmental change. In I. Douglas, editor, *Encyclopedia of Global Environmental Change, vol. 3 : Causes and Consequences of Global Environmental Change*, John Wiley, Chichester, pp. 609-623.

2001

Trends in coastal ecotourism of Southeast Asia. *UNEP Industry and Environment*, 24 (3-4) : 20-24.

Managing beach tourism in Singapore. In E.R. Tan, B. Yeoh & J. Wang, eds., *Tourism Issues and Policy : Perspectives from Singapore*, World Scientific, Singapore, pp. 266-288.

(A. Soemodinoto, P.P. Wong & M. Saleh), Effect of prolonged political unrest on tourism, *Annals of Tourism Research*, 28 : 1056-1060.

(L.A. Nurse, G. Sem, J.E. Hay, A.G. Suarez, P.P. Wong, L. Briguglio, S. Ragoonaden) Small island states. In J.J. McCarthy, et al., editors, *Climate Change*

2001 : *Impacts, Adaptation, and Vulnerability*, Cambridge : Cambridge University Press, pp. 843-875.

Southeast Asian tourism: traditional and new perspectives on the natural environment. In P.Teo, T.C. Chang and K.C. Ho, editors, *Interconnected Worlds: Tourism in Southeast Asia*, Pergamon, Amsterdam, pp. 215-230.

2000

Coastal tourism in Southeast Asia : research from the environmental perspective. In K.S. Chon, editor, *Tourism in Southeast Asia : a New Direction*, Haworth Hospitality Press, New York, pp. 107-121.

(K.C. Goh & P.P. Wong). Status of fieldwork in the geography curriculum in Southeast Asia. In G. Gerber and K.C. Goh, editors, *Fieldwork in Geography: Reflections, Perspectives and Actions*, Kluwer Academic Press, Dordrecht, pp. 99-117.

Malacca Strait including Singapore and Johore Straits. In C. Sheppard, editor, *Seas at the Millennium : An Environmental Evaluation*. Elsevier Science, Oxford, vol. 2. pp. 331-344.

1999

Coastal ecotourism in the APEC Region. In *Proceedings of the APEC Conference on Sustainability of Marine Environment : What Can the Private Sector Do?* 1-3 Sept 1999, Kaoshiung, pp.11-10.

Adaptive use of a rock coast for tourism - Mactan Island, Philippines. *Tourism Geographies*, 1: 226-243.

1998

Coastal tourism in Southeast Asia : research from the environmental perspective. In K.S. Chon, editor, *Conference Proceedings, Tourism and Hotel Industry in Indochina and Southeast Asia*, June 4-6 1999, Phuket, pp. 268-276.

Tourist coasts : understanding coastal tourism. *Tropical Coasts*, 5 (1) 9-12.

Coastal tourism development in Southeast Asia : relevance and lessons for coastal zone management, *Jour. of Ocean and Coastal Management*, 38: 89-109.

Beach resorts : the Southeast Asian experience. In V.R. Savage, L.Kong & W. Neville, editors, *The Naga Awakens : Growth and Change in Southeast Asia*. Times Academic Press, Singapore, pp. 241-260.

1997

Singapore : tourism development of an island city-state. In D.G. Lockhart & D. Drakakis-Smith, editors, *Island Tourism : Problems and Perspectives*, Pinter, London, pp. 249-267.

1996

Coastal and marine tourism in the Asian and Pacific region : experience and impacts, in *Coastal and Marine Environmental Management, Proceedings of a Workshop*, Asia Development Bank, Manila, pp. 204-235.

1995

Tourism-environment interaction in the western bays of Phuket island, *Malaysian Jour. of Trop. Geog.*, 26 : 67-75.

1994

Implications of sea level rise on the coastal geomorphology of the East Asian Seas region. In L.M. Chou, editor, *Implications of Expected Climate Changes in the East Asian Seas Region : An Overview*, RCU/EAS Technical Reports Series No.2, UNEP, Bangkok, pp. 61-71.

Coastal protection in Singapore. In A. Miossec, editor, *Défense des côtes ou protection de l'espace littoral, quelles perspectives? (Coastal protection : International Experiences and Prospect)*, Cahiers Nantais, No. 41-42, Université de Nantes, pp. 10-15.

1993

(Editor), *Tourism vs. Environment : the Case for Coastal Areas*, Kluwer Academic Publishers, Dordrecht, 225 pp.

Introduction, in P.P. Wong, editor, pp. ix-xvii.

Island tourism development in Peninsular Malaysia : environmental perspective, in P.P. Wong, editor, pp. 83-97.

(P.P. Wong & A. Gupta) Geomorphology in Singapore. In H.J. Walker & W.E. Grabau, editors, *The Evolution of Geomorphology*, John Wiley, Chichester, pp. 367-373.

(P.P. Wong & A. Gupta) Forty years of physical geography in the Journal, *Singapore Jour. of Trop. Geog.*, 14 : 295-309.

(A. Gupta & P.P. Wong) Physical geography in Southeast Asia : past themes, current status, and future trends, *Singapore Jour. of Trop. Geog.*, 14 : 252-264.

1992

Impact of a sea level rise on the coasts of Singapore : preliminary observations. *Jour. of Southeast Asian Earth Sciences*, 7 : 65-70. (Only reference cited in Singapore's NIC to UNFCCC)

Geomorphology and tourism on the east coast of Peninsular Malaysia. In H.D. Tjia & Sharifah Mastura S.A., editors, *The Coastal Zone of Peninsular Malaysia*, Penerbit Universiti Kebangsaan Malaysia, pp. 72-79.

The development of the tourist industry in Singapore. In '92 *International Tourism Symposium Presentation*, October 31, 1992, Korea Academic Society of Tourism Leisure & Tourism Leisure Institute of Dong-A University, Pusan, pp. 131-149.

The newly reclaimed land. In A. Gupta and J. Pitts, editors, *Physical Adjustments in a Changing Landscape - The Singapore Story*, Singapore University Press, pp. 243-258.

1991

Seaside resorts in Singapore : a geomorphological perspective. In L.S. Chia & L.M. Chou, editors, *Urban Coastal Area Management : the Experience of Singapore*, ICLARM, Manila, pp. 109-116.

*Coastal Tourism in Southeast Asia*. International Center for Living Aquatic Resources Management (ICLARM), Manila, 40 pp.

1990

Geomorphological basis of beach resort sites - some Malaysian examples. *Ocean & Shoreline Management*, 13 : 127-147.

Coastal resources management : tourism in Peninsular Malaysia. *ASEAN Economic Bulletin*, 7 : 213-21.

Recreation in the coastal areas of Singapore. In P. Fabbri, editor, *Recreational Uses of Coastal Areas*, Kluwer, Dordrecht, pp. 53-62.

Geography education in Singapore. *Malaysian Jour. of Trop. Geog.*, 21 : 113-120.

(P. Teo & P.P. Wong) Geography in Singapore. *Professional Geographer*, 42 : 383-86.

1989

The transformation of the physical environment. In K.S. Sandhu & P. Wheatley, editors, *Management of Success - the Moulding of Modern Singapore*, Institute of Southeast Asian Studies, Singapore, pp. 771-87.

(P.P. Wong & A. Gupta) Geomorphology in Singapore. *Transactions, Japanese Geomorphological Union*, 10-B : 181-85.

1988

Singapore. In *Artificial Structures and Shorelines*, edited by H.J. Walker, Kluwer, Dordrecht, pp. 383-92.

Beach resort sites on the east coast of Peninsular Malaysia. *Singapore Jour. of Trop. Geog.*, 9 : 72-85.

Tourism development plans of Singapore. *Tourism Management*, 9 : 73-76.

1987

Aspects of applied coastal geomorphology in Singapore. In V. Gardiner, editor, *International Geography 1986 Part I*, John Wiley, Chichester, pp. 183-94.

Tourism in Singapore. In S. Britton & W.C. Clarke, editors, *Ambiguous Alternatives : Tourism in Small Developing Countries*, Commonwealth Foundation and University of the South Pacific, Suva, pp. 140-53.

(A. Gupta, A. Rahman, P.P. Wong & J. Pitts) The Old Alluvium of Singapore and the extinct drainage system to the South China Sea. *Earth Surface Processes & Landforms*, 12 : 259-75.

(S.Y. Chew, S.K. Ho, P.P. Wong & Y.Y. Leong) Beach development between breakwaters in a low wave energy environment, Pasir Ris, Singapore. *Proceedings, 20th Coastal Engrg. Conf.*, pp. 1016-31.

1986

Physical geography of Singapore : a selective review. In S.K. Kapur, editor, *Singapore Studies : Critical Surveys of the Humanities and Social Sciences*, Singapore University Press, Singapore, pp. 167-81.

Tourism development and resorts on the east coast, Peninsular Malaysia. *Singapore Jour. of Trop. Geog.*, 7 : 152-62.

(A. Rahman & P.P. Wong) Recent advances in the knowledge of geology, mineral and energy resources of Singapore since 1981. *Bulletin, Geol. Society of Malaysia*, 20 : 39-55.

1985

Singapore. In E.C.F. Bird & M.L. Schwartz, editors, *The World's Coastline*, Van Nostrand Reinhold, New York, pp. 797-801.

Artificial coastlines : the example of Singapore. *Zeitschrift für Geomorphologie*, suppl-bd. 57 : 175-92.

1983

Geoscience education in Singapore. In *Proceedings, Workshop on Geoscience Curriculum Development in Southeast Asia*, Chiangmai, pp. 89-94.

1981

Beach evolution between headland breakwaters. *Shore and Beach*, 49(3) : 3-12.

Beach changes on a monsoon coast, Peninsular Malaysia. *Bulletin of Geol. Soc. of Malaysia*, 14 : 59-74.

1980

(A. Gupta, A. Rahman & P.P. Wong) Cenozoic alluvium in Singapore : its paleoenvironment reconstructed from a section. *Singapore Jour. of Trop. Geog.*, 1(2) : 40-46.

1979

(J.B. Bird, A. Richards & P.P. Wong) Coastal subsystems of western Barbados, West Indies. *Geografiska Annaler*, 61A : 221-36.

1978

The herbaceous formation and its geomorphic role, east coast, Peninsular Malaysia. *Malayan Nature Jour.*, 32 : 129-41.

1975

(S.Y. Chew, P.P. Wong & K.K. Chin) Beach formation between breakwaters. *Proceedings, 14th Coastal Engrg. Conf.*, pp. 1399-1418.

1973

Beach formation between breakwaters, southeast coast, Singapore. *Jour. of Trop. Geog.*, 37 : 68-73.

1971

*Beach Changes and Sand Movement in Low Energy Environments, West Coast, Barbados.* Bellairs Research Institute, Barbados & Department of Geography, McGill Univ., Montreal, 108 pp.

1969

The surface configuration of Singapore : a quantitative description. *Jour. of Trop. Geog.*, 29 : 64-74.

The changing landscape of Singapore Island. In J.B. Ooi & H.D. Chiang, editors, *Modern Singapore*, Univ. of Singapore, pp. 20-51.

## D) CONFERENCES (\* invitation)

2007

*IPCC WGII Fourth Assessment Report Approval Plenary, 2-5 April 2007, Brussels, Belgium*

\*Invited Coordinating Lead Author, chapter 6

*Okinawa Tourism Symposium, 7 Feb 2007, Okinawa, Japan*

\*Invited presenter (Coastal tourism : issues and prospects)

2006

*East Asian Seas 2006 Congress, 12-14 Dec 2006, Haikou, China*

\*Invited presenter (Beach certification : is it possible in Asia? Post-tsunami ICM in Asia-Pacific). Chair : Sustainable Ecotourism

*Workshop on Coastal Area Planning and Management in Asian Tsunami-affected Countries, 27-29 Sept 2006, Bangkok, Thailand*

Presenter (Post-tsunami challenges for coastal zone management)

*IPCC WGII Fourth Assessment Report Fourth Lead Authors Meeting, 11-15 Sept 2006, Somerset West, South Africa*

\*Invited Coordinating Lead Author, chapter 6

*Coastal Zone Asia Pacific 2006 Conference, 29 Aug-2 Sept 2006, Batam, Indonesia*

\*Invited presenter (Tsunami impacts and implications for coastal management in the Asia-Pacific region)

*International Seminar on Island Economies and Future Strategies of Jeju Special Self-Governing Province, 29-30 June 2006, Jeju, South Korea*

\*Invited presenter (Island tourism development strategies – implications for Jeju)

*International Conference on the Environmental Management of Enclosed Coastal Seas, 9-12 May 2006, Caen, France*

\*Invited presenter in Asia-Pacific Coast Session (Post-tsunami directions for integrated coastal management)

*IPCC Working Group II Chapter Meeting of Lead Authors, 27-31 March 2006, Isle of Wight, UK*

\*Invited Coordinating Lead Author, chapter 6

*International Workshop - Post-Disaster Assessment and Monitoring of Changes in Coastal, Ocean, and Human Systems in the Indian Ocean and Asian Waters, 20-24 Feb 2006, Phuket, Thailand.*

\*Invited theme paper presenter (Social and human aspects including tourism and other livelihoods: some lessons); paper presenter (Tsunami impacts and implications for tourist coasts). Moderator for two workshop sessions.

*IPCC WGII Fourth Assessment Third Lead Authors Meeting, 16-19 Jan 2006, Merida, Mexico*

\*Invited Coordinating Lead Author, chapter 6

2005

*CCOP-DMR-NGI Workshop – Tsunami Risk Reduction Measures with Focus on Landuse and Rehabilitation, 7-9 Dec 2005, Phuket, Thailand*

Participant

*Seminar – Tourism and Environment, 14 Nov 2005, Reunion*

\*Invited speaker (Tourist coasts : tsunami impacts and mitigation measures - in three parts)

*Issues, Problems and Prospects in Southeast Asia : the Geographical Perspective, 12-13 Sept 2005, Petaling Jaya, Malaysia*

\*Invited speaker (Coastal tourism in Southeast Asia: post-tsunami phase)

*Fourth Forum of the Regional Network of Local Governments Implementing Integrated Coastal Management, 26-28 April 2005, Bali, Indonesia*

\*Invited chairperson for ICM and Coastal Hazard Management and presenter of theme paper on Coastal Tourism, Habitat Restoration, and Hazard Management.

*IPCC WGII Fourth Assessment Second Lead Authors Meeting, 14-17 Mar 2005, Cairns, Australia*

\*Invited Coordinating Lead Author, chapter 6

*SIP and SIA City Centre Revitalization: Urban Waterfront, 27 Jan 2005, Singapore*

\*Invited paper (Tsunami impacts and implications for waterfronts and tourist coasts)

2004

*APN Coastal Zone Synthesis Meeting, 8-10 Nov 2004, Kobe, Japan*

\*Invited participant (to produce Global Change Coastal Zone Management Synthesis Report)

*SCOPE Workshop on Scientific Issues Related to Coastal Zone Management in Semi-Enclosed Basins, 4-5 Oct 2004, Bremen, Germany.*

\*Invited speaker (Coastal tourism: problems and issues)

*IPCC WGII Fourth Assessment First Lead Authors Meeting, 20-23 Sept 2004, Vienna, Austria*

\*Invited Coordinating Lead Author, chapter 6

*Asia Oceania Geoscience Society (AOGS) Conference, 5-9 July 2004, Singapore*  
Presenter (SPOT images for Southeast Asian coastal study)

*SIDS (Small Island Developing States) Ocean Workshop, 24-27 May 2004, Suva, Fiji*

\*Invited speaker (Coastal tourism development in Singapore)

*Millennium Ecosystem Assessment Combined Working Group Meeting, 25-29 April 2004, Montreal, Canada*

\*Invited Coordinating Lead Author, Chapter 28, Island Systems

2003

*AIACC Project SIS90 in Comoros, 9-16 Dec 2003, Comoros*

\*As part of research team, made two presentations (Coastal erosion and coastal erosion; assessment and adaptation to coastal erosion); conducted field work on Grand Comoros and Moheli.

*Assises Océan Indien de la Recherche, 3-5 June 2003, Reunion*

\*Invited participant

2002

*Asia Pacific Regional Meeting on Sustainable Use of Renewable Natural Resources, 2-5 Oct 2002, Okinawa, Japan*

\*Invited speaker (Trends in coastal ecotourism in Southeast Asia)

*Planning and Kick-off Workshop for AIACC Regional Project on Indian Ocean Islands, 17-22 July 2002, Seychelles*

\*As part of research team, gave presentations (Methodological issues: coastal erosion scenarios; Case studies: impact of coastal erosion on tourism; Maintaining data integrity), moderated discussion (Biophysical scenarios), chaired group discussion (Developing a stakeholder involvement/participation strategy) and conducted field work (Anse Kerlan, Praslin).

*Asia-Pacific Conference on Marine Science and Technology, 12-16 May, 2002, Kuala Lumpur, Malaysia*

\*Invited paper (Tourism carrying capacity : assessment and applications)

*Second Workshop on GIS for Sustainable Development of Coastal Zone of South China Sea, 20 April 2002, Bangkok, Thailand*

\*Invited participant/panelist

2001

*Protected Areas of Islands and Tropical Seashores: Management, Influences, Outlooks, Comparisons, 30-31 Oct 2001, New Caledonia*

\*Participant/presenter (Marine ecotourism and protected areas in Southeast Asia); travel grant from French government.

*APEC Roundtable Meeting on the Sustainability of the Business/Private Sector in the Sustainability of the Marine Environment, 11-13 Oct 2001, Kaoshiung, Taiwan*

\*Invited paper (Coastal and marine ecotourism in Southeast Asia)

*Assessment of Impacts and Adaptation to Climate Change (AIACC) Project Implementation Meeting, 11-15 Feb 2001, Nairobi, Kenya*

\*Invited participant

2000

*UNEP/WTO International Conference on Sustainable Tourism in the Islands of the Asia-Pacific Region*, 6-8 December, 2000, Sanya, China

\*Invited author/participant (Small-scale tourism and community development : the case of Gili Islands in Lombok, Indonesia)

*IPCC Third Lead Authors Meeting, WG2 TAR*, 8-11 Aug 2000, Lisbon, Portugal

\*Invited author/participant

*Second Authors' Meeting – The Policy Implications of Global Change for Development in Southeast Asia*, 13-15 Jan 2000, Chiangmai, Thailand

\*Invited author/participant

1999

*IPCC Second Lead Authors Meeting, WG2 TAR*, 7-10 Dec 1999, Canberra, Australia

\*Invited author/participant

*Interconnected Worlds: Southeast Asian Tourism in the 21<sup>st</sup> Century*, 6-7 Sept 1999, Singapore

\*Invited speaker (Southeast Asian tourism : traditional and new perspectives on the natural environment)

*APEC Conference on Sustainability of Marine Environment: What Can the Private Sector Do?*, 1-3 Sept 1999, Kaohsiung, Taiwan

\*Invited speaker (Coastal ecotourism in the APEC region)

*IPCC Meeting of Lead Authors of Chapter 17 on Small Island States*, 19-22 July 1999, Valetta, Malta

\*Invited author/participant

*Second IOTO Coastal Zone Management Workshop*, 9-10 April 1999, Kuala Lumpur, Malaysia

\*Invited speaker (Environmental planning and beach protection)

*IPCC First Lead Authors Meeting, WG2 TAR*, 5-8 Jan 1999, Geneva, Switzerland

\*Invited author/participant

1998

*Tourism and Hotel Industry in Indochina and Southeast Asia*, 4-6 June 1998, Phuket, Thailand

Presenter (Coastal tourism in Southeast Asia: research from the environmental perspective)

1997

*Singapore-World Bank Joint Training Programme Seminar on Coastal and Marine Environmental Management*, 12-15 May 1997, Singapore

\*Invited resource person

1996

*Study Meeting on Ecology and Tourism Planning and Development : Concerns and Opportunities*, 21-25 Oct 1996, Honolulu, Hawaii

\*Invited participant

*28th International Geographical Congress*, 5-10 Aug 1996, The Hague, Netherlands  
Presenter (Coastal and marine tourism : the Southeast Asian experience), session chairman

*Integrated Coastal Management in Tropical Developing Countries : Lessons Learned from Successes and Failures of ICM*, 24-28 May 1996, Xiamen, China

\*Invited speaker (Coastal tourism development and management : case studies in Southeast Asia)

1995

*Workshop on Sabah Masterplan Tourism Study*, 21 Oct 1995, Kota Kinabalu, Malaysia

\*Invited speaker

*IAG-SEA Conference on Geomorphology*, 18-23 June 1995, Singapore

Treasurer of conference organising committee, session chairman, local field trip leader. Presenter (Northern Bintan : a case study of tropical coast)

*ESCAP/ADB/UNEP Workshop on Coastal and Marine Environmental Management* 27-29 March 1995, Bangkok, Thailand

\*Invited resource person and presenter (Coastal and marine tourism in Asia-Pacific : experience and impacts)

1994

*SEAPOL Tri-Regional Conference on Current Issues in Ocean Law, Policy and Management*, 12-16 Dec 1994, Bangkok, Thailand

\*Invited panel speaker (Issues and prospects of coastal tourism in Southeast Asia)

*Third International Conference on Geography of the ASEAN Region*, 25-29 Oct 1994, Kuala Lumpur, Malaysia

Presenter (Tourism-environment interaction in the western bays of Phuket Island)

*Fifth Meeting of Experts on the East Asian Seas Action Plan*, 25-26 July 1994, Singapore

\*Invited advisor

*Workshop on Coastal Zone Research*, 9-11 May 1994, Jakarta, Indonesia

\*Invited paper (Research on coastal tourism in Southeast Asia)

*Third Meeting of the Technical Working Group on Marine Scientific Research in the South China Sea, 24-29 April 1994, Singapore*

\*Invited participant

*ASEAN Workshop on Cruise Industry, 15 April 1994, Singapore*

\*Invited panel discussant

1993

*Developing Scientific Research Networks for Sustainable Eco-development in South-east Asia, 6-7 Oct 1993, Kota Kinabalu, Malaysia*

\*Invited participant

*Second Working Group Meeting on Resource Assessment and Ways of Development in the South China Sea, 5-7 June 1993, Jakarta, Indonesia*

\* Invited country representative

*The Coastal Zone and Beyond, 22-26 Feb 1993, Hanoi, Vietnam*

\*Invited speaker (Accommodating new uses in the coastal zone - the case of marine and coastal tourism management)

*Seminar on Use of Information and Tourism Research Data for Business Decision Making, 18-19 Feb 1993, Singapore*

Participant

1992

*IDS (Institute of Development Studies) Forum on Issues in the Tourism Sector, 21-23 Dec 1992, Kota Kinabalu, Malaysia*

\*Invited speaker (Ecotourism - a new tourism)

*Structural Change of East Asia Tourist Market of the 2000s and Its Future, 29 Oct-1 Nov 1992, Pusan, South Korea*

\*Invited paper (The development of Singapore's tourist industry)

*27th International Geographical Congress, 9-14 Aug 1992, Washington, D.C.*

Presenter (Appropriate coastal sites for resort development)

*Regional Workshop on Integrated Coastal Zone Planning and Development in ASEAN : Lessons Learned, 28-30 April 1992, Brunei*

\*Invited speaker (Coastal tourism in coastal area planning and management)

1991

*Future of planning in an Era of Modern Technology and a Developed Nation, 2-3 Nov 1991, Universiti Teknologi Malaysia, Scudai, Malaysia*

\*Invited speaker (The geomorphological basis of beach resort sites -some Malaysian examples)

*International Conference on the Protection of the Coastal Zone*, 17-20 Oct 1991, Nantes, France  
Presenter (Coastal protection in Singapore)

*Tourism : Development, Trends and Prospects in the 90s*, 16-18 Sept 1991, Kuala Lumpur, Malaysia  
Participant

*Regional Conference on Resort Development*, 26-28 July 1991, Desaru, Malaysia  
Participant

1990

*4th Meeting of Experts on East Asian Seas Action Plan*, 3-6 Dec 1990, Manila, Philippines  
\*Invited participant

*Workshop on Global Environment Change : The Role of the Geoscientist - Past, Present and Future Sea Level Changes*, 2-7 June 1990, Chiangmai, Thailand  
\*Invited paper (Impact of a sea level rise on the coasts of Singapore: preliminary observations)

*Congress on Coastal and Marine Tourism*, 25-31 May 1990, Honolulu, Hawaii  
Presenter (The geomorphology of beach resort sites)

*Conference on Geography in the ASEAN Region*, 27-30 June 1990, Brunei  
\*Invited paper (Geography in Singapore)  
Presenter (Coastal resort sites : considerations for geomorphology)

1989

*Meeting of Task Team on Climatic Change Implications in East Asian Seas Region*, 20-22 Nov 1989, Singapore  
\*Invited participant

*2nd National Workshop on Urban Coastal Area Management in Singapore*, 9-10 Nov 1989, Singapore  
Presenter (Coastal recreation and tourism in Singapore : an environmental perspective)

*International Symposium on Coastal Evolution, Management and Exploration in Southeast Asia*, 4-9 Sept 1989, Ipoh, Malaysia  
Presenter (Geomorphology and tourism development on the east coast of Peninsular Malaysia)

1985

*First International Conference on Geomorphology*, 15-21 Sept 1985, Manchester, UK  
Presenter (Some aspects of applied coastal geomorphology in Singapore)

1984

*Southeast Asia Geoscience Network Coordination Board Meeting, 7 April 1984, Kuala Lumpur, Malaysia*

\*Invited participant

*Fifth Regional Conference on the Geology, Mineral and Energy Resources of Southeast Asia (GEOSEA V), 9-13 April 1984, Kuala Lumpur, Malaysia*

\*Invited paper (Recent advances in the knowledge of geology, mineral and energy resources of Singapore since 1981)

1983

*International Symposium on Coastal Evolution in the Holocene, 29 Aug-3 Sept 1983, Tokyo, Japan*

\*Invited presenter (Changes to the coastal environment of Singapore)

*Geoscience Curriculum Workshop and Southeast Asia Regional Network of Geosciences Coordination Board Meeting, 30-31 Jan 1983, Chiangmai, Thailand*

\*Invited participant

1982

*CCOP Working Group on Petroleum Data, 10-12 Nov 1982, Manila, Philippines*

\*Invited participant

*CGB Workshop on Impact of Tourism in Small Developing Countries, 5-10 July 1982, Suva, Fiji*

\*Presenter (Tourism in Singapore : development and impact); travel award from Commonwealth Geographical Bureau

1980

*24th International Geographical Union Congress, 31 Aug-5 Sept 1980, Tokyo, Japan*  
Presenter (Beach changes on a monsoon coast, Peninsular Malaysia)

1979

*Workshop on Coastal Geomorphology, Singapore & Malaysia, 27 Aug - 1 Sept 1979, Singapore*

Co-organiser of workshop and field excursion. Presenter (Contemporary beach changes, East Coast, Peninsular Malaysia)

*Seminar on Geography and Development, 18-19 May 1979, Kuala Lumpur, Malaysia*  
Participant

1974

*ERTS Seminar, 14-16 May 1974, Bangkok, Thailand*

\*Singapore delegate/participant; travel award from USIS  
1972

*Ocean Engineering Mission*, 15-29 Oct 1972, Japan and Hawaii

\*Member of government of Singapore mission