



CURRICULUM VITAE

Name:

Mohd. Hamdan Hj. Ahmad, PhD.
Professor.

Address:

Department of Architecture
Faculty of Built Environment
Universiti Teknologi Malaysia
81310 UTM Skudai
Johor Darul Takzim.

Date & Place of Birth:

4 Mac 1964
Kg. Tg. Batu, Nenasi, Pekan, Pahang

Nationality:

Malaysian

Marital status:

Married

Professional Qualification:

Degree	Year obtained	Institution
B.Arch (Cum Laude)	1987	University of Miami, Coral Gables, Florida, USA.
PhD	1997	University of Manchester, United Kingdom.

Area of Interest:

- Sustainable Environmental Architecture
- Building Performance Studies.
- Architecture Education.
- Public Park Design
- Eco-Tourism

Academic Honors and Awards:

- Dean's List, University of Miami, 1983, 1984, 1985, 1986 & 1987
- Honorable Mention, "Tropical House Competition" organised by AIA South Florida Chapter. 1985
- Tau Sigma Delta Architectural Honor Society, University of Miami Chapter, 1985.
- Golden Key National Honor Society, University of Miami Chapter, 1986.
- Phi Kappa Phi National Honor Society, University of Miami Chapter, 1986.
- Third Place, "The South Florida Mansion Competition" organised by The School of Architecture, University of Miami and The Island of Coco Plum, Miami, Florida, U.S.A, 1987.
- Finalist, Original Book Category, *Design Principles of Atrium Buildings in the Tropics*, Penerbit Universiti Teknologi Malaysia, 2000, Hari Penerbitan UTM, 2001.
- Consolation Prize, Malaysian Structural Steel Association Design Competition, Public Market – Pontian, 2003.
- Anugerah Perkhidmatan Cemerlang (Excellence Service Award) UTM (Tahun 2002), 2003.
- Anugerah Perkhidmatan Cemerlang (Excellence Service Award) UTM (Tahun 2005), 2006.
- Bronze Medal, 8th Industrial Art and Technology Exhibition 2006 (INATEX-UTM), 2006.
- Silver Medal, Ekspo Penyelidikan, Rekacipta & Inovasi 2007 (UM) (*with Asrul Mahjuddin Ressang – Head and Dr Nik Ahmad Kamal Nik Mohd Amin, UM*).

Academic Experience :

1986-1987	Teaching Assistant, First Year Design Studio and Critics. <i>School of Architecture, University of Miami, Coral Gables, Florida, U.S.A.</i>
1988-1997	Assistant Lecturer A
1997-2001	Lecturer
2001-2008	Associate Professor
080808-present	Professor <i>Department of Architecture, Faculty of Built Environment Universiti Teknologi Malaysia 81310 UTM Skudai, Johor Bahru.</i>

Administration and academic responsibilities in postgraduate program in UTM include:

- Deputy Dean (Post Graduate Studies and Research) 2005-present.
- Advisory Panel to Postgraduate Program in Architecture 1999-present.
- Internal Examiner for Postgraduate Program in Architecture 1998-present.
- Subject Lecturer for Tourism Product Design, Master in Tourism Planning by taught course, 2002.
- Guest Lecturer, Research Methodology Course under SPS 2007.
- Member JAPSU, 2005-present.
- Member JKTSPS, 2005-present.

Supervisor to Graduated PhD and Master Students

- Malsiah Abdul Hamid, *The Effectiveness of Natural Ventilation in Standard School Classroom Design in Malaysia*, 2002. M.Arch (Co-supervisor: Mdm. Gurupiah Mursib).
- Roshida Abdul Majid, *Post Construction Evaluation of Children's Play Therapy Garden at Segamat Hospital, Johor Darul Takzim*, 2002. M.Arch (Co-supervisor: Assoc. Prof. Ismail Said).
- Abdul Razak Sopian, 2003. *Possibilities of Using Void to Improve Natural Cross Ventilation in High Rise Low Cost Residential Building*, PhD (Co-supervisor: Assoc. Prof. Dr. Nor Haliza Madros).
- Muhamad Syarif Hidayat, *Pembangunan Program Tropik untuk Simulasi Pembolehkan Bumbung Terhadap Keselesaan Dalaman di Malaysia (Development of Program 'Tropik' for Simulation of Roof Variables on Indoor Comfort in Malaysia)*, 2004. PhD (Co-supervisor: Prof. Dr. Md. Najib Ibrahim).
- Remaz Dilshan Ossen, *Energy Efficient Office Building: The Optimum Relationship Between Daylighting and Heat Penetration in Tropical Climate* (2005). PhD (Co-supervisor: Assoc. Prof. Dr. Nor Haliza Madros).
- Agung Moortie Nugroho. *Solar Chimney for Forced Ventilation in Low Rise Residential Building* (2007). PhD.
- Hong Lim Foo, *Architecture Education* (2008). MArch.
- Chia Sok Ling, *Minimising Solar Insolation in High Rise Building Through Self-Shaded Form* (2007). MArch.
- Rumana Rashid, *Thermal Performance of Bangladesh Traditional House* (2008), MArch. (Co-supervisor: Dr Dilshan Remaz Ossen)
- Dorris Toe Hooi Chyee, *Night Ventilation Technique for Terraced Houses in Hot Humid Climate of Malaysia* (2008), March. (Co-supervisor: Dr Muhammad Tetsu Kubota).

Supervisor to Current and Active PhD and Master Students

- *Then Jit Hiung Environmental Friendly Urbanscape, (current). MArch*
- *Asrul Mahjuddin Ressang, Architecture Education, (current). PhD.*
- *Rosnida Mohd Yusof, Luminous Environment in PWD Office Buildings, (current). PhD.*
- *Malsiah Abdul Hamid, Sustainable Issues in Architecture Education, (current), PhD.*
- *Roshida Abdul Majid, Windows and View for Malaysian, (current), PhD.*
- *Abol Ghassem Pyramidal Superstructure System(current), March.*
- *Rumana Rashid, Green Roof Performance of Bangladesh House (current), PhD.*
- *Muhammad Asjaei, Grammar Shape for Sustainable High Rise Building (Current), PhD*
- *Mitra Ghafourian, Social Sustainability in Iranian Modern Housing (Current), PhD.*
- *Lim Yaik Wah, Simplified Design Method for Optimum Shading, Daylighting and Energy Efficiency in Office Building in Hot Humid Tropics (current), PhD.*
- *Asal Kamani Fard, Post Bam Earthquake Sustainable Cultural Identity Expression in New Housing (current), PhD.*

Supervisor to Non Graduating (NGS) PhD and Master Students

- Jahanbaksh, Non Graduating Student PhD (IUST-Iran)
- Jono, Non Graduating Student PhD (UNDIP-Indonesia)

Administration and academic responsibilities in undergraduate program in UTM include:

- Head of Department (Architecture) 1997-1999.
- Course Director (Architecture) 1996 – 1997.
- Head of Building Science Laboratory 1999-2005.

- Subject lecturer for Environmental Physics I and II, Environmental Planning and Design, Climatic Architecture Technology, Building Construction and Building Services.
- Design Tutor for Final Year Thesis Students and Head of Thesis Panel.
- Tutor for Topical Studies.
- Tutor & Coordinator for 2nd and 3rd Year Design Studio/Program 1989-2005.
- Coordinator for 4th Year Design Studio 1996/97.
- Coordinator for group C elective subjects 1990/91.
- Internal Panel for Final Year Landscape Architecture Program 1996-present.
- Academic Advisor 1988-present.
- First year Design Studio 1998-1999.
- Fifth Year Urban Design Studio 2003-2004.
- Head of Environmental Architecture Panel Unit 2002-present.

Other tasks:

- Task Force Generic Skill UTM 2004-present.
- Task Force Double Major-Minor UTM 2004-present.
- Chairman Architecture Curriculum Review Committee 2004-2005.
- Advisor to Architecture Students Society 2003-present.
- Facilitator for PTK 3 (Community Service) 2004.
- Facilitator for PTK4 (Generic Skill) 2004-present.
- Facilitator for SPPT (Generic Skill) 2005-present.
- Taskforce KLCC Diploma Elite New Masterplan 2005.
- Taskforce UTM Bandar Penawar New Satellite Diploma Campus Masterplan 2005.
- Chairman Technical Committee on Design & Built UTM 2009-present

Research Work:

- *Low Cost Tourist Industry in Tioman Island*, UPP-UTM grant, 1991/1992. Mohd Hamdan Ahmad (Team Leader), PM Zainul Hakim Mohd Zain and Fawazul Khair Ibrahim.
- *The Influence of Roof Forms and Interior Cross Sections on Daylighting in Atrium Spaces in Malaysia*. Ph.D Program, 1993 to 1997 (University of Manchester).
- *Daylighting and Lightshelf*, IRPA grant, 1999/2000. Dr. NorHaliza Madros (Team Leader) and Dr. Mohd Hamdan Ahmad.
- *Natural Ventilation and CFD Simulation in School Planning*, UPP-UTM grant, 2000. Gurupiah Mursib (Team Leader) and Dr. Mohd. Hamdan Ahmad.
- *Primary Weather/Hidrological Data Collection for ProLink Development Sdn Bhd*, UTSA Contract Research, Vot 243, 2001. Mohd Hamdan Ahmad (Team Leader) and Norhan Abdul Rahman.
- *Primary Noise Level Data Collection for ProLink Development Sdn Bhd*, UTSA Contract Research, Vot 243 (Noise), 2001. Mohd Hamdan Ahmad (Team Leader) and Halimah Yahya.
- *User Response in Atrium Space*, UPP-UTM grant, Vot 71951, 2003. PM Dr. Mohd. Hamdan Ahmad (Team Leader), Gurupiah Mursib and PM Dr. Nor Haliza Madros (Roshidah Majid, RA).
- *Flexible and Competitive Architectural Curriculum*, UPP-UTM grant, Vot 71999, 2003. PM Dr. Mohd. Hamdan Ahmad (Team Leader), Dr. Syed Iskandar Syed Ariffin, Dr. Aminatuzuhariah and Raalah Mohamad (Zatur and Remaz, RA).

- *Towards Development of Tropical Solar Architecture: The Use of Solar Chimney as Stack Induced Ventilation Strategy*, IRPA grant, Vot 74217, 2003. PM Dr. Mohd Hamdan Ahmad (Team Leader), Md. Rajeh Salleh and Hong Lim Foo.
- *Johore State New Administrative Centre, Parcel C3S, Design Concept and Development*, UTSB Contract Research, Vot____, 2005. JV KALAM-IMAAR Architect Johor Bahru,
- *Comfortable House for JHEOA – PPRT (RM 15000.00 – RM17000.00)*, JV with PKLB UTM (with Prof Dr Sharifah and Roshida Abd Majid), 2006.
- *Comfortable Housing Model in New Housing PPRT for Orang Asli*, FRGS 2006-2007, Vot 78002.
- *Thermal Comfort in Existing Terraced Houses in Malaysia : Energy Saving Strategies to Reduce the Use of Airconditioners*, Sumitomo Foundation 2006-2008, Vot 73712.
- *Simplified Design Method for Optimum Shading, Daylighting and Energy Efficiency in Office Building in Hot Humid Tropics* IRGS UTM, 2008-2009.
- *Tropical Building Design principles for Comfortable Indoor*, Dr Remaz Dilshan Ossen (Team Leader) and Roshida Abd Majid. 2007-2008, FRGS Vot 78158.

Publication:

Book:

1. **Mohd Hamdan Ahmad** and Mohd Tajuddin Mohd Rasdi, *Design Principles of Atrium Buildings in the Tropics*, Penerbit Universiti Teknologi Malaysia, 2000.

Book Chapters:

1. **Mohd Hamdan Ahmad**, *Research Method in Atrium Daylight Design*, in Methodology in Architectural Research. Editors: **Mohd Hamdan Ahmad**, Remaz Dilshan Ossen and Khairul Anwar Mohamad Khaidzir. Penerbit UTM, 2008.
2. Agung Murti Nugroho and **Mohd Hamdan Ahmad**. *Use of Computational Fluid Dynamic Simulation in Solar Induced Ventilation Strategies* Editors: **Mohd Hamdan Ahmad**, Remaz Dilshan Ossen and Khairul Anwar Mohamad Khaidzir. Penerbit UTM, 2008.
3. Rumana Rashid and **Mohd Hamdan Ahmad**, *Measuring Indoor Thermal Environment in Traditional Bangladesh House*. Editors: **Mohd Hamdan Ahmad**, Remaz Dilshan Ossen and Khairul Anwar Mohamad Khaidzir. Penerbit UTM, 2008.
4. **Mohd Hamdan Ahmad**, *Students Perspective on Sustainable Tropical Architectural Ideas*, in Alternative – A Design Folio, Editor: Syed Ahmad Iskandar Syed Ariffin, Penerbit UTM 2008.

International Journal:

1. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad** and Nor Haliza Madros (2005). "Optimum Overhang Geometry for Building Energy Saving in Tropical Climate." Journal of Asian Architecture and Building Engineering, November, 2005.
2. Agung Murti Nugroho, **Mohd Hamdan Ahmad** and Dilshan Remaz Ossen, (2006) *The Preliminary Study of Thermal Comfort in Malaysia's Single Storey Terraced House*, Journal of Asian Architecture and Building Engineering.

3. Dilshan Remaz Ossen and **Mohd Hamdan Ahmad**, (2006) *Effect of Overhang Geometry on Work Plane Illuminance and Solar Heat Gain Pattern for Office Building Energy Saving in Tropical Climate*. Built Environment, ITS Surabaya, Indonesia.
4. Agung Murti Nugroho and **Mohd Hamdan Ahmad**, (2006) The Development of Vertical Solar Chimney Prototype for Stack Ventilation in Malaysia's Single Storey Terraced House. Built Environment, ITS Surabaya, Indonesia.
5. Chia Sok Ling, **Mohd Hamdan Ahmad** and Dilshan Remaz Ossen, (2007) *The Effect of Geometric Shape and Building Orientation on Minimising Solar Insolation on High Rise Building in Tropical Climate*, Journal of Construction and Housing in Developing Countries, Penerbit USM.

National Journal:

1. **Mohd Hamdan Ahmad**, *Dilemma in Daylighting Design in Malaysia*, Page 72 Jurnal Alam Bina Jilid 01 no 02 November 1998.
2. Agung Murti Nugroho and **Mohd Hamdan Ahmad**, *Possibility to Use Solar Chimney to Improve Stack Ventilation in Tropical Climate*, Jurnal Alam Bina Jilid 08: 01-2006.
3. Then Jit Hiung and **Mohd Hamdan Ahmad**, *Possibility of Using Computational Fluid Dynamics (CFD) for Urban Canyon Studies in Tropical Climate*, Jurnal Alam Bina Jilid 08: 02-2006.
4. **Mohd Hamdan Ahmad** *Project Review: Public Parks Planning and Design as Contribution from Multidiscipline Fields in Built Environment*, Jurnal Alam Bina Jilid 08: 02-2006.
5. Doris Toe Hooi Chyee, Tetsu Kubota, Supian Ahmad and **Mohd Hamdan Ahmad**, *A Field Experiment on the Cooling Effect of Night Ventilation in Malaysia Terraced Houses*, Jurnal Alam Bina Jilid 09: 04-2007.
6. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad**, Roshida Abdul Majid and Agung Murti Nugroho, *Thermal Performance of Prototype Malaysian Traditional Timber House*, Jurnal Alam Bina Jilid 10: 01-2008.

International Seminar Papers:

1. **Mohd Hamdan Ahmad**, Zainul Hakim Mohd Zain and Fawazul Khair Ibrahim, *Low-Cost Tourism Industry in Tioman Island and Cherating Village*, International Tourism Seminar, Ming Court Hotel, Kuala Lumpur, 1991.
2. **Mohd Hamdan Ahmad**, Keynote Speech: *Vision 2020 - Implication to Architectural Profession and Education, Back to Basic for the Future*, First Malaysian Architecture Students in UK Congress, Malaysia Hall, Bryanston Square, London (1994).
3. **Mohd Hamdan Ahmad** and Peter Wood, *Unresponsive Environment as a Consequence of Urbanisation : Case Studies in South East Asia with Particular Reference to Malaysia*, IAPS 13, International Association for People-Environment Studies Manchester (13-15th July 1994) Manchester (1994).
4. **Mohd Hamdan Ahmad** and Peter Wood, *Atrium Buildings in Malaysia - Development and Equatorial Adaptation*, Manchester (1994).
5. **Mohd Hamdan Ahmad** and Peter Wood, *Climatic Response and Architectural Form : Atrium Buildings in Malaysia - Weak Adaptation?*, East-West Centre, University of Hawaii, Hawaii (1995).

6. **Mohd Hamdan Ahmad** and Peter Wood, *Atrium Buildings - International Developments and Regional Adaptations - the Malaysian Experience*, Manchester (1996).
7. **Mohd Hamdan Ahmad** and Najib Ibrahim, *The Impact of External Sun-shading Devices on Daylighting Performance of Sidelit Tropical Atrium* (8-11 June 1999), World Renewable Energy Congress '99, Mines Resort, Kuala Lumpur, Malaysia.
8. **Mohd Hamdan Ahmad** and Mohd Tajuddin Mohd Rasdi, *Liberalization of the Idea of 'Practising Architecture': Diversification of Fields in Architecture and Their Implications on UTM's Curriculum*, Architecture Amidst Asian Renaissance, Asia Pacific Property and Architecture Convention APPAC 98, 2-4 April 1998, Putra World Trade Centre, Malaysia.
9. **Mohd Hamdan Ahmad** and Najib Ibrahim, *A Comparative Study on The Performance of Side-lit Atria and Top-lit Atria in Hot Humid Tropic Malaysia*, (October 13-16, 1997) Proceedings LUX PACIFICA '97 (3rd Pacific Basin Lighting Congress), Nagoya Congress Centre, Nagoya, Japan. (also published in Jurnal Alam Bina Jilid 02 no 01 Mei 1999)
10. **Mohd Hamdan Ahmad** and Zainul Hakim Mohd Zain, *Remote Offshore Islands: Eco-Tourism Potential and Development Strategies*. The Regional Conference on Hydrology and Environment of Small Islands, Tioman Island Berjaya Resort, 29-31 May 2000.
11. **Mohd Hamdan Ahmad**, *Ecological Design: The Must, The Extra and The Unnecessary for the Tropics*. Proceeding Seminar on Sustainable Environmental Architecture SENVAR2000, ITS Sukolilo, Surabaya, Indonesia, 23-24 October 2000 (Key Note Speaker).
12. Malsiah Hamid, **Mohd Hamdan Ahmad** and Gurupiah Mursib, *Prediction of Airflow Pattern in a Typical Classroom of Standard School in Malaysia*, Proceeding Seminar on Sustainable Environmental Architecture SENVAR2000, ITS Sukolilo, Surabaya, Indonesia, 23-24 October 2000.
13. Abdul Razak Sopian, **Mohd Hamdan Ahmad** and NorHaliza Madros, *Potential of Wind Driven in Generating Natural Ventilation in Multi Storey Residential Buildings in Malaysian Urban Tropical Climate*, Proceeding Seminar on Sustainable Environmental Architecture SENVAR2000, ITS Sukolilo, Surabaya, Indonesia, 23-24 October 2000.
14. **Mohd Hamdan Ahmad**, *Atrium as New Urban Form : In(Appropriate) Tropical Atria*, Proceeding Seminar on Sustainable Environmental Architecture SENVAR2001, Diponegoro University, Semarang, Indonesia, 20-21 Julai 2001(Key Note Speaker).
15. Aminatuzuhariah Megat Abdullah and **Mohd Hamdan Ahmad**, *The Operational Sustainability in Urban Projects – Case Study : Commonwealth Games Facilities in Manchester*, Proceeding Seminar on Sustainable Environmental Architecture SENVAR2001, Diponegoro University, Semarang, Indonesia, 20-21 Julai 2001.
16. Abdul Razak Sopian, **Mohd Hamdan Ahmad** and NorHaliza Madros, *Evaluation of Thermal Comfort Performance in Low Cost Flats: Case Study of Sri Perak Flats, Kuala Lumpur*. Proceeding of Japanese Society for the Promotion of Science – Vice Chancellor Committee (JSPS-VCC) Seminar on Development of Passive Solar Design and Technology in Tropical Climates, Universiti Sains Malaysia, Penang, 12 November 2001.
17. Malsiah Hamid, **Mohd Hamdan Ahmad** and Gurupiah Mursib, *Post Evaluation Study on Naturally Ventilated Classroom in Standard School Design in Malaysia Using CFD*. The Third International Seminar on Sustainable Environmental Architecture (SENVAR3) 9-10 March 2002, Yogyakarta, Indonesia.

18. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad** and Nor Haliza Madros (2002). *"Impact of Solar Shading Devices on Direct and Diffuse Solar Radiation and on Building Energy Consumption under Tropical Climate."* International Seminar of Architecture: Overcoming Constraints. Dhaka, Bangladesh: BUET. June 12 & 13.
19. **Mohd Hamdan Ahmad**, *Improvement Strategy For Achieving Desired Temperature Within Jewel House Transparent Shelter Under Tropical Sun Condition: A Design Experience*, International Seminar On Sustainable Environmental Architecture IV 'Architecture Under The Sun' SENVAR4, Architecture Department, Trisakti University, Jakarta, Indonesia, 15-16 October, 2003.
20. Remaz Dilshan Ossen, **Mohd Hamdan Ahmad** and Nor Haliza Madros, *Energy Efficient Solar Shading System for Tropical Climate*. International Seminar On Sustainable Environmental Architecture IV 'Architecture Under The Sun' SENVAR4, Architecture Department, Trisakti University, Jakarta, Indonesia, 15-16 October, 2003.
21. Dilshan Remaz Ossen and **Mohd Hamdan Ahmad**. *"Environmental Consideration in Traditional House Design in Sri Lanka."* International Seminar on Sustainable Environmental Architecture (SENVAR5) 'Making Sense: The Tropical Experience', Department of Architecture, Faculty of Built Environment, Universiti Teknologi Malaysia, December 10-12, 2004.
22. **Mohd Hamdan Ahmad**, *The Green House Syndromes and the Use of Simple Environmental Features to Achieved Desired Indoor Climate*, International Conference on Sustainable and Low Energy Architecture, JSPS and UIAM, December 2004.
23. Agung Moortie Nugroho, **Mohd Hamdan Ahmad**, Md Rajeh Salleh, Hong Lim Foo, and Dilshan R Ossen, *Towards Development of Tropical Solar Architecture: The Use of Solar Chimney as Stack Induced Ventilation Strategy*, World Renewable Energy Regional Congress and Exhibition 17-21 April 2005, Jakarta, Indonesia.
24. **Mohd Hamdan Ahmad**, *Can Climatic Response Become an Essential Lingua Franca for Malay Architecture?* International Seminar Malay Architecture as Lingua Franca, June 22-23, 2005, Trisakti University, Jakarta, Indonesia.
25. **Mohd Hamdan Ahmad**, *Students Perspective on Sustainable Tropical Architectural Ideas*, The 6th International Seminar on Sustainable Environment and Architecture (SENVARVI) 19-20 September 2005 Department of Architecture, Institut Teknologi Bandung, Indonesia.
26. Agung Murti Nugroho and **Mohd Hamdan Ahmad**, *Possibility to use Solar Induced Ventilation Strategies in Tropical Conditions by Computational Fluid dynamic Simulation*, The 6th International Seminar on Sustainable Environment and Architecture (SENVARVI) 19-20 September 2005 Department of Architecture, Institut Teknologi Bandung, Indonesia.
27. Agung Murti Nugroho, **Mohd Hamdan Ahmad** and Malsiah Hamid, *Natural Ventilation Performance of Standard School Design in Malaysia*, The 2nd International Network for Tropical Architecture Conference, Christian Wacana University, Yogyakarta, Indonesia, April 3-5, 2006.
28. Agung Murti Nugroho, **Mohd Hamdan Ahmad** and Then Jit Hiung, *Evaluation of Parametrics for the Development of Vertical Solar Chimney Ventilation in Hot and Humid Climate*, The 2nd International Network for Tropical Architecture Conference, Christian Wacana University, Yogyakarta, Indonesia, April 3-5, 2006.

29. Chia Shok Ling, **Mohd Hamdan Ahmad**, and Dilshan Remaz Ossen, *Minimising Solar Insolation on High-Rise Building in Tropical Climate*, Bung Hatta University, Padang, Indonesia, June 2006.
30. Agung Murti Nugroho and **Mohd Hamdan Ahmad**, *Thermal Ventilation Performance of Malaysia's Single Storey Terrace House*, Postgraduate Conference, UTM, 2006.
31. **Mohd Hamdan Ahmad**, Dilshan Remaz Ossen and Agung Murti Nugroho, *Rethinking Tourist Development and Conservation of Coastal Mangrove Ecology as Part of Architectural Landmark for Southernmost Tip of Asian Continent*, The 7th SENVAR (International Seminar on Sustainable Architecture), 20th-21st November 2006, Hasanuddin University, Tamalnea Campus, Makassar, Indonesia.
32. Agung Murti Nugroho and **Mohd Hamdan Ahmad**, *The Optimum Solar Chimney Geometry for Stack Ventilation in Malaysian Condition*, The 7th SENVAR (International Seminar on Sustainable Architecture), 20th-21st November 2006, Hasanuddin University, Tamalnea Campus, Makassar, Indonesia.
33. Rumana Rashid, **Mohd. Hamdan Ahmad** and Dilshan Remaz Ossen, (2007). *Thermal performance by the Traditional Roof Section in Bangladesh* 8th Senvar & 2nd Malay Architecture Conference, Sustainability in Rain, Sun and Wind, 23rd - 24th, August, 2007, Surabaya, Indonesia
34. Rumana Rashid, **Mohd. Hamdan Ahmad** and Dilshan Remaz Ossen., (2007). *Traditional House of Bangladesh : Typology of House According to Material and Location*, Virtual Conference on Sustainable Architectural Design and Urban Planning, Asia Sustainability Net.upc.edu., 15th -24th, September, 2007.
35. Toe, D. H. C., Kubota, T., Ahmad, S., and **Ahmad, M. H.** (2007). Assessment of Thermal Comfort in Malaysian Terraced Houses under Night-Ventilated Condition. *Proceedings of the International Conference on Built Environment in Developing Countries*. [CD-Rom]. 3-4 December. Universiti Sains Malaysia, Penang, Malaysia.
36. **Mohd Hamdan Ahmad**, Mohd Zin Kandar, Hong Lim Foo and Agung Murti Nugroho, *Sustainable Orang Asli Resettlement House in Hard-Core Poor Development Program*, International Symposium Architecture, Urbanization & Development: Towards Sustainable Cities in Nusantara, Hotel Sibayak International, Brastagi, North Sumatera, 14 May 2008
37. Kubota, T., Toe, D. H. C., Ahmad, S., and **Ahmad, M. H.** (2008). *Night Ventilation for Malaysian Terraced Houses: Passive Cooling Methods for Reducing Air-Conditioning in the Tropics*. Proceedings of the 2nd Symposium of South East Asian Technical University Consortium (SEATUC). 26-27 February. Institut Teknologi Bandung, Indonesia.
38. Agung Murti Nugroho, Dilshan Remaz Ossen and **Mohd Hamdan Ahmad**, (2008). *Tropical Opening Design Principles for Comfortable Indoor Environment*, SENVAR + ISESEE 2008, UiTM Shah Alam Selangor.
39. Lim Yaik Wah, **Mohd Hamdan Ahmad** and Dilshan Remaz Ossen, (2008). *Review on Solar Shading Strategies and Measuring Tools for Building Energy Efficiency in Tropical Climate*, SENVAR + ISESEE 2008, UiTM Shah Alam Selangor.
40. Jiih Kui Lam, Dilshan Remaz Ossen and **Mohd Hamdan Ahmad**, (2008). *Effect of Urban Geometry on Solar Insolation Threat in JSNAC (Pilot Study)*. SENVAR + ISESEE 2008, UiTM Shah Alam Selangor.

41. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad**, Roshida Abd Majid and Agung Murti Nugroho, (2008). *Thermal Performance of Prototype Malaysian Traditional Timber House*, SENVAR + ISESEE 2008, UiTM Shah Alam Selangor.

National Seminar Papers:

1. Gurupiah Mursib, **Mohd Hamdan Ahmad**, and Zainul Hakim Mohd Zain, *Pengubahsuaian Rekabentuk Chalet dan Persekitarannya: Meningkatkan Rekabentuk Chalet dan Persekitaran Pusat Peranginan Bertaraf Sederhana dan Rendah*. Kursus Peningkatan Kecekapan Pengusaha Chalet and Budget Hotel Anjuran **Kementerian Kebudayaan dan Pelancungan Malaysia** di Endau Beach Resort, Penyabong, Endau, Johor 26-30 Sept 1999.
2. Abdul Razak Sopian, **Mohd Hamdan Ahmad** and Nor Haliza Madros, *Computer Simulation: An Alternative Method in Studying Natural Ventilation at High-Rise Building due to Urban Wind Condition*, Integrated Energy Building Design Seminar organized by Centre for Education and Training in Renewable Energy & Energy Efficiency (CETREE), Public Works Department Headquarters, Kuala Lumpur, 22-23 October 2002.
3. Chia Sok Ling, **Mohd Hamdan Ahmad**, and Dilshan R Ossen, *Impact of Solar Radiation on High-Rise Built Form in Tropical Climate*, NSEB 2005 – National Seminar on Energy in Buildings, UiTM, Shah Alam, May 10-11, 2005.
4. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad**, and Nor Haliza Madros (2005). *“Impact Of Solar Shading Geometry On Building Energy Use In Hot Humid Climates With Special Reference To Malaysia.”* NSEB 2005 – National Seminar on Energy in Buildings, UiTM, Shah Alam, May, 10-11, 2005.
5. Agung Murti Nugroho and **Mohd Hamdan Ahmad**. *“Towards Development of Tropical Solar Architecture: The Use of Computational Fluid Dynamic foe Solar Chimney Simulation.”* NSEB 2005 – National Seminar on Energy in Buildings, UiTM, Shah Alam, May 10-11, 2005.

Professional Bulletin/Magazine:

1. **Mohd Hamdan Ahmad**, *The Architecture of Public Park: Fading the Line Between Architecture and Landscape*, *Majalah Aritek* (Unpublished Article 2005)

Guest Speaker/Lecturer:

1. **Mohd Hamdan Ahmad**, *Climatic Responsive and Thermal Comfort Design in Housing and Commercial Buildings*, Series on Sustainable Environmental Design Programme, Environmental Friendly and Sustainable Solar Energy Technologies & Thermal Comfort in Housing Design & Construction Seminar by AUSEM, Holiday Villa Subang, Subang Jaya, Selangor, Malaysia, 14 July 2001.
2. **Mohd Hamdan Ahmad**, *Environmental Sustainable Design and Planning*, Guest Lecture on Sustainable Environmental Design & Planning, PTK-Public Work Department, Universiti Malaya, December 2003.
3. **Mohd Hamdan Ahmad**, *Design Thesis*. Invited Guest Lecturer for Final Year Thesis: Introduction to Design Thesis, International Islamic University Malaysia, Jun 2004.

4. **Mohd Hamdan Ahmad**, *Sustainability and Thermal Comfort*, Guest Speaker Press Conference Launching of Green Acres Orchard & Farm Resort, Eastin Hotel Kuala Lumpur, May 7-9, 2004.
5. **Mohd Hamdan Ahmad**, *Teaching Design in UTM*, 3rd Architecture Forum, UTM and Taylor's College, Sheraton Hotel, Subang Jaya, August 12, 2005.
6. **Mohd Hamdan Ahmad**, Opening Hari Produk JKA2005, Jabatan Kejuruteraan Awam Politeknik Port Dickson, 2005.
7. **Mohd Hamdan Ahmad**, *Kuliah Umum "Building Science"*, Jurusan Teknik Arsitektur, Fakultas Teknik, Universitas Muhammadiyah Surakarta, Indonesia, 5 April 2006.
8. **Mohd Hamdan Ahmad**, *Some Thought on Architecture Education*, Open Lecture as External Examiner, School of Housing Building and Planning, USM, 13 April 2006.
9. **Mohd Hamdan Ahmad**, *Thought on Future Direction of Architecture Education*, 1st Malaysian Polytechnic Architecture Workshop hosted by Politeknik Port Dickson, 17 November 2006.
10. **Mohd Hamdan Ahmad**, Ismail Said and Intan Zaharah, *Writing International Journal*, Workshop 'Writing Paper in International Journal', 22-23 November 2006, Universitas Trisakti, Jakarta, Indonesia.
11. **Mohd Hamdan Ahmad**, *Kuliah Umum "Architecture Education and Studio Teaching in UTM"*, Jurusan Teknik Arsitektur, Fakultas Teknik, Institut Teknologi Malang, Indonesia, 22 August 2007.
12. **Mohd Hamdan Ahmad**, *Kuliah Umum "Introduction to Architectural Research"*, Taylor's College School of Architecture, Building and Design. September 2008.

External Examiner/Moderator:

1. External Assessor for Final Year Design Thesis International Islamic University Malaysia, session 2003-2004.
2. External Examiner M.Sc in Architecture, Universiti Malaya, 2004.
3. External Assessment Panel, Final Year Thesis, UIAM, May 2005.
4. External Examiner for Architecture Program, Department of Architecture, School of Housing Building and Planning, USM, 2005-2006.
5. External Moderator for Diploma in Architectural Technology, Taylor's College, Petaling Jaya Campus, December 2005.
6. External Moderator for Diploma in Architectural Technology, Taylor's College, Petaling Jaya Campus, May 2006.
7. External Moderator for Diploma in Architectural Technology, Taylor's College, Petaling Jaya Campus, December 2006.
8. External Examiner for PhD in Allied Arts, Arts Centre, USM, 2007.
9. External Examiner for PhD in Architecture - Housing, School of Housing Building and Planning, USM, 2008.
10. External Examiner for PhD in Architecture, Department of Architecture, Curtin University of Technology, Perth 2008.

Publication Referee/Assessor:

1. Assessment Panel for Published Papers in National Journal for Anugerah Hari Penerbitan Universiti 2002 (in Architecture).
2. Invited Referee for Jurnal HBP, USM.
3. Invited Assessor for USM's Publication.

4. Invited Referee for Jurnal Teknologi, UTM.
5. Invited Referee for Housing Journal USM.
6. Invited Referee for Built Environment Journal UiTM.

National Panel/Professional Membership:

1. Lembaga Akreditasi Negara
2. Malaysian Structural Steel Association
3. Malaysian Invention and Design Society
4. Malaysian Energy Institute
5. Halatuju Senibina Malaysia (Malaysia Architecture Direction)
6. Graduate Architect LAM AG/M 426

Panel Jury/Judges:

1. 'Endau-Rompin Photo Challenge', 10 August 2003, Perbadanan Taman Negara (Johor).
2. Johor International Orchid Festival 2003, 28 August 2003, Johor Orchid association, Majlis Bandaraya Johor Bahru and Pejabat Lanskap Negeri Johor.
3. PAM Southern Chapter Architectural Awards 2003, 1 August 2003, Pertubuhan Akitek Malaysia Cawangan Selatan.
4. Johor International Orchid Festival 2006, 25 May 2006, Johor Orchid association, Majlis Bandaraya Johor Bahru and Pejabat Lanskap Negeri Johor.

Portfolio Review in Architecture and Allied Design:

1. Review and Forum Design Thesis, Department of Architecture, International Islamic University Malaysia, 2003
2. Portfolio Review Panel, Architecture Department, Universiti Putra Malaysia 2003/2004.
3. Portfolio Review Panel, Architecture Department, Department of Architecture, International Islamic University Malaysia, 2004.
4. Portfolio Review Panel Session May-October 2003, 15 September 2003, Architecture Department, Universiti Kebangsaan Malaysia.
5. Portfolio Review Panel, Architecture Department, Department of Architecture, International Islamic University Malaysia, 2005.
6. Portfolio Review Panel, Architecture Department, Taylor's College, Petaling Jaya Campus, December 2006, 2007 and 2008.

Consultation Work :

Consultation works in Architecture, Interior, Landscape Architecture & Environmental Design Consultant with Bureau of Innovation and Consultancy, (BIP) UTM and Uni-technologies Sdn. Bhd. (UTSB) UTM.

Projects involved include:

- Proposed Taman Teknologi Malaysia, Bukit Jalil, 1990.
- Linear Park for MPJB, 1991/92 (completed).
- Urban Forest for MPJB, 1991/92. (1st and 2nd phase completed)
- Mid-Cost Tourist Development for Mr. Nazri A. Karim, Tioman, (completed) 1991.
- Muar Riverfront Development, 1992.

- Proposed Mid-Cost Tourist Development, Pt. Cenang, Langkawi, 1991.
- Puteri Lagoon Recreation Centre, Pantai Lido, 1997 (completed).
- Trengganu Skill Development Centre (TESDEC) Campus Masterplan, 1997.
- Trengganu Advance Technical Institute (TATI) Campus Masterplan, 1997.
- Masterplan Proposal for Villa Ilhami Islamic Township, Jakarta, 1997.
- Tanjung Balau Nelayan Resort for Kejora, 1999 (completed).
- Langkawi Marble Garden, 1999 (completed).
- Proposed Merdeka Park, Phase 1, Johor Bahru, 1999 (completed in 2004).
- Proposed Vista Tower, Kenyir, for KETENGAH 1999.
- Conceptual Masterplan for UTM Branch Campus in Kenyir, 1998.
- Taman Tropika UTM, Johor Bahru, 2000 (completed in 2002).
- Proposed Taman Orkid for MBB, 2000 (completed in 2003).
- Proposed Commercial Development in Simpang Renggam, Johor, 2000.
- Proposed INTAN Keluang Hotel and Resort, 2001.
- Proposed INTAN Keluang's Recreational Centre, 2001.
- Proposed Taman Herba UTM, 2002 (on going).
- Proposed Merdeka Park Phase 2, Johor Bahru, 2002 (under construction).
- Competition Proposal for Public Market Pontian, Johor 2003 (Consolation Prize).
- Laman Bistari, Taman Tropika UTM, 2005 (on going).
- Ecological Park, Urban Forest, MBB (2006) (on going).
- Entrance Gateway to Bandar Penawar/Desaru for KEJORA (2008) (ongoing).

Other Professional Experience:

1986/87

Part time Architectural Assistant

Charles Treister Antonio Cantillo Architects,
2699, South Bayshore Drive, Suite 1000D,
Coconut Grove, Florida 33133, U.S.A.

Project Involved

- Interior Design of Brickell Avenue Executive Club.
- Extension and Renovation, Interior and Exterior of Beach Resort Hotel, Florida.

1987/88

Assistant Architect

S.A.M Akitek

Jalan Bukit Ubi

Kuantan, Pahang,

Malaysia.

Project Involved

- Low Cost Housing Scheme, Bandar Baru Balok, Kuantan.
- Traditional Village Service Center for DARA; Community Hall, Shops, Stalls and Children Playground Tg. Gemuk in Rompin, Nenas and Paloh Hinai in Pekan, Pahang.
- Proposed Maran District Mosque.

1988

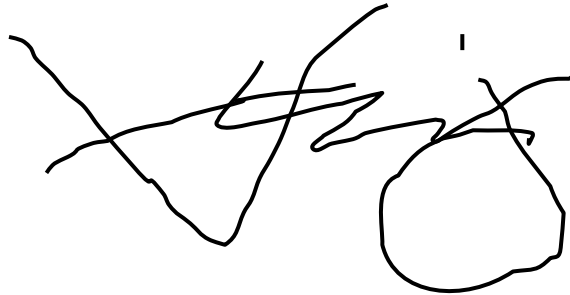
Assistant Architect

JKR Negeri Pahang

KOMTAR
Bandar Indera Mahkota
Kuantan, Pahang.

Project Involved

- Guard House for Istana Pahang, Kuala Lumpur.
- Proposed Istana Pahang Annex for DYMM Tengku Mahkota Pahang, Kuala Lumpur.
- New roof proposal for Istana Abu Bakar, Pekan, Pahang and
- Proposed renovation and addition to Masjid Sultan Ahmad Shah I, Kuantan, Pahang.

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