

Ong Wee Hong

Assistant Professor, Digital Science
Universiti Brunei Darussalam

Contact and Personal Information

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Brunei Darussalam

Date of birth: 13 October 1972 Race: Chinese Nationality: Brunei Citizen
Gender: Male Marital status: Married
Languages: Hokkien (mother tongue), Mandarin, Cantonese, English, Malay

Summary

Position: Assistant Professor

Affiliation: Universiti Brunei Darussalam

Education: PhD (2014), MSc (2004), PGCTE (1999), BEng (1997), BTEC HND (1994), BTEC NC (1992)

Research areas: Personal robotics, cyber-physical systems, ambient intelligence

Teaching areas: Computer systems, artificial intelligence, robotics

Academic and research contributions: [Google Scholar](#): Documents 19, Citations 70, h-index 6
[Scopus](#): Documents 12, Citations 28, h-index 3
Supervisions: **PhD** 1 completed, 4 on-going | **MSc** 1 completed, 3 on-going | **Undergraduate senior projects** 27 completed, 2 on-going
Years of teaching: 23 years, starting from 1998
Years as university faculty member: 14 years, starting from 2007
Professional membership: Member, IEEE since 1998

Awards, medals and other recognitions: Pingat Indah Kerja Baik (PIKB, Meritorious Service Medal), Brunei, 2017

Education

2014 **Doctor of Engineering (PhD)** in Electrical Engineering and Information Systems
The University of Tokyo, Japan

- Thesis: "Autonomous Human Activity Recognition based on a Novel Incremental

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- Approach of Clustering” under supervision of Professor Takafumi Koseki
 - This study was under Brunei Government In-Service Training Scholarship
- 2004 **MSc (with Distinction)** in Computing Science and Diploma of Imperial College (DIC)
Imperial College London, United Kingdom
- Individual project: “Gaze Contingent Robotic Control” under supervision of Professor Guang-Zhong Yang
 - This study was under Commonwealth Scholarship and Brunei Government In-Service Training Scholarship
- 1999 Post Graduate Certificate in Technical Education (**PGCTE**)
Universiti Brunei Darussalam
- 1997 **BEng (Hons)** in Communication and Control Engineering (*First Class Honours*)
University of Manchester Institute of Science and Technology (UMIST), United Kingdom
- Received Reynolds Prize of the Institute for the Session 1996/97 for best final year undergraduate student
 - Received CG Reddi Prize of the Institute for the Session 1996/97 for best final year undergraduate in the Departments of Electrical Engineering & Electronics and Mechanical Engineering
 - Received AWA Dick Cleland Prize of the Institute for the Session 1996/97 for the final year student in the Department of Electrical Engineering and Electronics who submits the most successful project
 - Received The Institution of Electrical Engineers (IEE) Prize for 1996/97 for the most outstanding performance in the final examination for the degree of BEng with Honours in an accredited course offered by the Department of Electrical Engineering and Electronics at UMIST
 - Final year project: “Design of Air-Bridges in Slotlines” under the supervision of Professor Lionel E. Davis
 - This study was under Brunei Government Scholarship
- 1994 **BTEC HND** (Higher National Diploma) in Electrical & Electronic Engineering, Institute of Technology Brunei (ITB), Brunei
- Awarded best student in the programme
- 1992 **BTEC NC** (National Certificate) in Engineering (Electrical), Sultan Saiful Rijal Technical College (MTSSR), Brunei

Employment

- Sep 2018 – Present **Assistant Professor**
Universiti Brunei Darussalam
- Mar 2007 – Sep 2018 **Lecturer**
Universiti Brunei Darussalam
- Jan 1998 – Mar 2007 **Education Officer**
Maktab Kejuruteraan Jefri Bolkiah (Jefri Bolkiah College of Engineering)
- Head of Electrical & Instrumentation Engineering Department
- 1995 **Technician**

Administrative Experience

Aug 2019 – Present	Deputy Dean (Digital Initiative) of Faculty of Science (FOS), Universiti Brunei Darussalam <ul style="list-style-type: none">Responsible in design and development of the new Bachelor of Digital ScienceResponsible in design and establishment of new laboratories (data science, interactive system, robotic and prototyping) for digital scienceResponsible in assisting the AVC of Academic Affairs in establishment of the School of Digital Science
2009 – Present	Established and Staff-in-Charge for Robotics and Intelligent Systems Laboratory in UBD
Aug 2018 – Jul 2019	Deputy Director for the Institute of Applied Data Analytics (IADA), Universiti Brunei Darussalam
Oct 2017 – Jul 2019	Coordinator for FPT-UBD Innovation Lab, Universiti Brunei Darussalam <ul style="list-style-type: none">Responsible in the establishment of the lab
Dec 2016 – Dec 2017	Deputy Programme Leader for Mathematics and Computer Science Program, Faculty of Science, Universiti Brunei Darussalam
Jul 2016 – Nov 2016	Discovery Year Coordinator (Local Internship) for Faculty of Science, Universiti Brunei Darussalam
Jul 2015 – Jul 2016	Discovery Year Advisor for Computer Science, Faculty of Science, Universiti Brunei Darussalam
Mar 2002 – Mar 2007	Head of Electrical & Instrumentation Engineering Department, Jefri Bolkih College of Engineering, Kuala Belait, Brunei
2003	Chairman , Research and Development Unit, Jefri Bolkih College of Engineering, Kuala Belait, Brunei
2000 – Sep 2003	Chairman , Programme Development and Evaluation Committee, Department of Technical Education (DTE), Brunei
2000 – Sep 2003	Chairman , Health Promotion Committee, Jefri Bolkih College of Engineering, Kuala Belait, Brunei
Jul 2000 – Mar 2002	Assistant Head of Section, Electrical and Electronic Engineering Section, Jefri Bolkih College of Engineering, Kuala Belait, Brunei

Teaching Experience

Undergraduate Courses

Aug 2016 - Present	SS-4311 Robot Programming
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Jan 2018 - Present	SS-2301 Introduction to Artificial Intelligence and Soft Computing
Jan 2015 - Present	SS-4302 Artificial Intelligence
Aug 2014 - Present	SS-1202 Computer Systems and Information Technology
Aug 2014 - Aug 2015	SS-3406 Introduction to Robotics (responsible in developing this module)
2008 – 2010	CO-2206 Computer Organization
2009	CO-3202 Social and Professional Issues
2007 – 2009	CO-2013 Assembly Language

Diploma courses

1998 – 2007	<ul style="list-style-type: none">• Principle of Electricity• Electrical Technology• Electrical Principles 1• Electrical Principles 2• Electrical Principles 3• Electronics 2• Electronics 3• Microelectronic System• Measuring Electrical Quantities• Hardware in Computer Integrated Manufacturing• Electronic Workshop Practices
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Research Funding

Oct 2020 - Present	Member , Architectural Heritage in Brunei Darussalam: Safeguarding, Identity and Sustainability, Universiti Brunei Darussalam, Faculty of Science and Faculty of Arts and Social Sciences Joint Research Grant, BND 84,900.00 Ref: UBD/RSCH/1.2/FICBF(b)/2020/017
Jan 2020 – Present	Co-Principal Investor , Application of Multi-Objective Evolutionary Computation in Human Activity Discovery, Universiti Brunei Darussalam, Faculty of Science Research Grant, BND 54,650.00 Ref: UBD/RSCH/1.4/FICBF(b)/2019/028
Sep 2019 – Present	Principal Investor , Multimodal Emotion Perception for Human-Robot Interaction in Proximity, Universiti Brunei Darussalam, Faculty of Science Research Grant, BND 18,480.00 Ref: UBD/RSCH/1.4/FICBF(b)/2019/014
Aug 2018 – Present	Member , Automated Realtime Plant Species Recognition Using State of The Art Machine Learning Techniques, Universiti Brunei Darussalam, Faculty of Science Research Grant, BND 32,890.00 Ref: UBD/RSCH/1.4/FICBF(b)/2018/011

Graduate Students Supervision

PhD

- Present (Co-Supervisor) Gusti Ahmad Fanshuri Alfarisy, topic to decide (in progress)
- (Co-Supervisor) Parham Hadikhani, "Evolutionary Algorithm for Unsupervised Human Activity Discovery" (in progress)
- (Co-Supervisor) Usman Khalil, "Security Layer for File-based IoT", PhD in Computer Science
- (Co-Supervisor) Burhan Rashid Hussein, "Automatic Herbarium Plant Species Identification Using Computer Vision and Machine Learning Techniques", PhD in Computer Science

Completed Bacha Rehman, "Multimodal Emotion Perception for Real-Time Systems", PhD in Computer Science (2020)

Master

- Present (Co-Supervisor) Nazrul Ismail, "Visual Simultaneous Localization and Mapping (SLAM)"
- Muhamad Hafiq Anas, "Deep Reinforcement Learning (DRL) in Robot Navigation in Crowded Environment", MSc in Computer Science
- Abdul Qawiyel Mateen, "File-based Internet of Things", MSc in Computer Science
- Completed Amran Hossen, "Investigation of Features and Unsupervised Learning Approach for Human Activity Discovery", MSc in Computer Science (2020)

Other Supervision and Mentorship

- 2007 – Present *Supervisor* for final year projects (undergraduate):
- Farah Nadhirah Binti Rusli, "Implementation of File-based Internet of Things System" (in progress)
 - Lim Huey Theeng, "Augmented Reality (AR) Indoor Navigation System" (in progress)
 - Muhammad Adli Azri Haji Mahari, "Object Discovery using Self-Supervised Learning" (2021)
 - Noorsyamimi binti Haji Abdur Ajak, "Implementation of ROS2 and Navigation2 on Eddie Robot" (2021)
 - Muhammad Azim A Zaini, "Implementation and Deployment of File-based IoT System in Robolab" (2021)
 - Nur Affifah Lilyana binti Ilham, "UBD Campus Augmented Reality Navigation System" (2020)
 - Hj Muhd Wafi Nur Arif bin Hj Shamdi, "Autonomous Self-Driving Car" (2020)
 - Muhammad Hafiy bin Hassan, "Person Aware Chatbot" (2020)
 - Ho Ying Ying, "Implementation of Self-Driving Car Algorithm" (2019)
 - Mason Chong Yi Tian, "Data Privacy Protection and Device Authentication for a File-based IoT System" (2019)
 - Ak Muhd Aizuddin bin Pg Mohd Aliuddin, "Voice Commanded Personal Robot in Smart Home" (2019)
 - Muhammad Hafiq bin Anas, "An Implementation of Autonomous

Navigation based on Robot Operating System (ROS) for a Photo Taking Robot" (2019)

- Muhammad Amirul Akmal bin Haji Menjeni, "Implementation of Simultaneous Localization and Mapping (SLAM) for Guest Greeting Mobile Robot" (2019)
- Mohammad Rusydi Haji Awang Abdullah, "Personal Cloud-based Smart Devices: Remote Side Design & Implementation" (2017)
- Abdul Qawiyel Mateen bin Haji Abd Rajid, "Personal Cloud-based Smart Devices: Local Side Design and Implementation" (2017)
- Saedah binti Haji Hasnal, "Interactive Labeling of Human Actions (2016)
- Amran Hossen, Human Detection from Depth and Color Image" (2015)
- Farrah Koh Yen Swan, "Investigation of Features for Human Action Discovery" (2015)
- Jamaludin bin Haji Bakar, "Wireless Robotic Control over the Internet" (2010)
- Yee Chun Leong, "Wireless Robotic Control" (2009)
- Kenneth Chin, "Robot Control Over Internet" (2008)

Co-supervisor for final year projects (undergraduate):

- Muhammad Shafwan @ Irwan bin Sipul, Abdul Azim bin Haji Emran, "Web Application for Managing Research Projects" (2021)
- Abdul Zulmi bin Yahya, "Remote Wildlife Detection" (2020)
- Chong Ming Jen @ Aaron Chong, "Image Search Engine for Plant Species" (2020)
- Muhammad Hisyam Noor bin Hj Sudarsana, "Digitalization of Biodiversity Archive" (2020)
- Lim Ching Jen, "Identification System Using Voice Recognition" (2020)
- Mohd Nuraidil Fathi bin A Hashim, "Augmented Reality Based Application for Botanical Garden and Other Domains" (2020)
- Nurbazilah binti Haji Metussin, "Controlling Smart Home using Hand Gesture Recognition System" (2020)

2010

Team instructor for Brunei team in Asia-Pacific Broadcasting Union Robotic Contest (ABU **Robocon**) 2010, Cairol, Egypt. The team represented UBD and won the national level competition to represent Brunei in the regional contest in Cairol Egypt.

Supervisor for "Rubik's Cube Solving Robot" project that won the following recognitions:

- **Winner** of Brunei IET Network Present Around The World (**PATW**) competition
- **Winner** of Asia Pacific IET Network Present Around The World (**PATW**) competition in Pune, India
- Represented Asia Pacific IET Network at Present Around The World (**PATW**) competition in London, UK
- **Winner** of the Tertiary Category of Brunei ICT Awards (**BICTA**) 2010
- Represented Brunei in Tertiary Category at the Asia Pacific ICT Awards (**APICTA**) 2010 in Kuala Lumpur, Malaysia

2009

Team instructor for (first) UBD team for Asia-Pacific Broadcasting Union Robotic Contest (ABU **Robocon**) 2009. The team won the national level

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- competition to represent Brunei in the regional contest in Japan.
- Group Leader for **CIPTA** 2009 project “S-Bot”, UBD. The project received **Consolation Prize** in Category 1.
- 2008 Supervising Teacher for (first) UBD teams (two) in **Robotech** 2008, Brunei.
- 2007 Team leader for **CIPTA** 2007 project “Party Launcher”. The project received **3rd Prize** in Category 1.
- 2006 Supervisor for **INFORAMA** 2006 **Special Mention** project “Mini Basketball Player Machine”
- Team instructor for Brunei team in Asia-Pacific Broadcasting Union Robotic Contest (ABU **Robocon**) 2006, Kuala Lumpur, Malaysia. The team won the national level competition to represent Brunei in the regional contest in Kuala Lumpur.
- 2005 Supervisor for **INFORAMA** 2005 **Gold Prize** project: “Autonomous Robot”
- Supervising Instructor for MKJB **Robotech** team. The team achieved **2nd Place** in Gladiator category and received the **Best Idea Award**.
- Team instructor for Brunei team in Asia-Pacific Broadcasting Union Robotic Contest (ABU **Robocon**) 2005, Beijing, China. The team won the national level competition to represent Brunei in the regional contest in Beijing. The team received **Toyota Award** in Beijing.
- 2003 Team instructor for (first) Brunei team in Asia-Pacific Broadcasting Union Robotic Contest (ABU **Robocon**) 2003, Bangkok
- 2000 – Sep 2003 Mentor for Business Incubation Programme, Enterprise Development Centre, DTE, Brunei
- 2002 Project supervisor for **INFORAMA** 2002 **2nd Prize** Award, Hardware Category project: “Sound Controlled Obstacle Avoidance Vehicle”
- Project supervisor for **INFORAMA** 2002 **Gold prize** project: “Tele-Control of Home Appliances”
- 2001 Project supervisor for **INFORAMA** 2001 **Gold prize** project: “Microprocessor Controlled Traffic Light Junction”

Scholarly and Professional Activities

- 2017 – Present **Reviewer**, Arabian Journal for Science and Engineering
- 2021 **Member**, Jawatan Kecil Kemahiran Info-Komunikasi Teknologi, Majlis Kebangsaan Pengiktirafan Kelulusan, Negara Brunei Darussalam (Info-Communication Technology Skills Sub Committee, National Council for Accreditation, Brunei Darussalam)
- 2021 **Reviewer**, 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
- 2021 **International Technical Committee** Member, 6th International Conference on Cloud Computing and Internet of Things (CCIOT 2021)

- 2021 **International Technical Committee** Member, 6th International Conference on Cloud Computing and Internet of Things (CCIOT 2021)
- 2020 **Reviewer**, 2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
- Reviewer**, Canadian Society for Mechanical Engineering International Congress 2020
- International Technical Committee** Member, 5th International Conference on Cloud Computing and Internet of Things (CCIOT 2020)
- 2019 **Reviewer**, 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
- Reviewer**, 21st International Conference on Asia-Pacific Digital Libraries, ICADL 2019
- International Technical Committee** Member, 4th International Conference on Cloud Computing and Internet of Things (CCIOT 2019)
- International Technical Committee** Member, 3rd International Conference on Big Data and Internet of Things (BDIOT2019)
- 2018 **Session Chair**, Data Mining and Data Visualization, 2nd International Conference on Big Data and Internet of Things (BDIOT2018)
- International Technical Committee** Member, 2nd International Conference on Big Data and Internet of Things (BDIOT2018)
- 2016 **International Technical Committee** Member, Computational Intelligence in Information Systems (CIIS) Conference, 2016
- Reviewer**, International Journal of Computer Applications in Technology (IJCAT), Inderscience Online
- External Assessor** for final year projects in Mechanical, Instrumentation and Electronic Engineering, Maktab Kejuruteraan Jefri Bolkihah (MKJB)
- 2015 **External Assessor** for final year projects in Mechanical, Instrumentation and Electronic Engineering, Maktab Kejuruteraan Jefri Bolkihah (MKJB)
- 2012 **Reviewer**, Technical Program Committee, 3rd Institute of Engineering and Technology (IET) Brunei International Conference 2012, organized by IET Brunei Network
- 2011 Member, Sub-committee 5: Technical Papers , Conference of Asean Federation of Engineering Organizations CAFEO 29 held in Brunei, organized by The ASEAN Federation of Engineering Organizations (AFEO)
- 2010 **Programme Validation** for National Diploma in Computer Engineering, Department of Technical Education (DTE), Ministry of Education
- Head, Technical Committee**, Robotech 2010, organized by Science, Technology and Environment Partnership (STEP) Center

- Invited presentation** on “Internet of Bots” at APEC TEL 42 Industry Roundtable, Brunei
- Session Chair**, 2nd Institute of Engineering and Technology (IET) Brunei International Conference 2010, organized by IET Brunei Network
- Member, **Technical Program Committee**, 2nd Institute of Engineering and Technology (IET) Brunei International Conference 2010, organized by IET Brunei Network
- 2009 **Facilitator** for Robotech 2009 workshop organized by the Science, Technology and Environment Partnership (STEP) Center
- Member**, Technical Committee, Robotech 2009, organized by Science, Technology and Environment Partnership (STEP) Center
- External assessor** for final year projects in Electrical and Instrumentation Engineering, Maktab Kejuruteraan Jefri Bolkiah (MKJB)
- 2008 – 2009 **Secretary**, Management Committee, Institute of Engineering and Technology (IET) Brunei Network
- 2005 – 2009 **Member**, Management Committee, Institute of Engineering and Technology (IET) Brunei Network
- 2008 Member, **Technical Committee**, Robotech 2008, organized by Science, Technology and Environment Partnership (STEP) Center
- Facilitator** for Robotech 2008 workshop organized by the Science, Technology and Environment Partnership (STEP) Center
- Science and Technology Week Working Committee
- Member, **Technical Program Committee**, 1st Institute of Engineering and Technology (IET) Brunei International Conference 2010, organized by IET Brunei Network
- External assessor** for final year projects in Electrical and Instrumentation Engineering, Maktab Kejuruteraan Jefri Bolkiah (MKJB)
- Expert** in IT/Software Applications Jury Panel, 4th National Skills Competition, organized by the Department of Technical Education (DTE)
- 2007 – 2008 **Honorary Assistant Secretary**, Management Committee, Institute of Engineering and Technology (IET) Brunei Network
- Coordinator** of IT and Control, Management Committee, Institute of Engineering and Technology (IET) Brunei Network
- 2007 **Judge**, Robotech 2007, organized by Science, Technology and Environment Partnership (STEP) Center
- Judge**, Oil & Gas Discovery Center (OGDC) Technology Challenge
- Science and Technology Week Working Committee

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- External assessor** for final year projects in Electrical and Instrumentation Engineering, Maktab Kejuruteraan Jefri Bolkiah (MKJB)
- Faculty of Science **Editorial Board**, Universiti Brunei Darussalam
- 2006 **Expert** in Electronic Applications Jury Panel, 3rd National Skills Competition, organized by the Department of Technical Education (DTE)
- Advisor**, Organizing Committee for Commercial Wiring Trade, 3rd National Skills Competition, organized by the Department of Technical Education (DTE)
- 2003 **Head** of Younger Member Section, Brunei IEE Management Committee
- 2002 – 2003 Member, **National Programme Advisory Committee** (Electrical & Electronic Engineering)
- Member, **Electrical Trade Testing and Training Committee**, Department of Technical Education, Brunei
- 2001 – 2003 **Secretary**, Organizing Committee for Commercial Wiring Trade, 1st National Skills Competition, organized by the Department of Technical Education (DTE)

Publications

Journal Articles

1. BR Hussein, OA Malik, WH Ong, JWF Slik, "Reconstruction of damaged herbarium leaves using deep learning techniques for improving classification accuracy", *Ecological Informatics*, 2021
2. Rehman, Bacha and Ong, Wee Hong and Tan, Abby Chee Hong and Ngo, Trung Dung, "Face detection and tracking using hybrid margin-based ROI techniques", *The Visual Computer*, pp 1-15, 2019
3. W. Ong, L. Palafox, T. Koseki, "Autonomous Learning and Recognition of Human Action based on An Incremental Approach of Clustering", *IEEJ Transactions on Electronics, Information and Systems*, Vol 135, No.9, 2015
4. W. Ong, L. Palafox, T. Koseki, "An Incremental Approach of Clustering for Human Activity Discovery", *IEEJ Transactions on Electronics, Information and Systems*, Vol.134, No.11, 2014
5. W. Ong, T. Koseki, L. Palafox, "An Unsupervised Approach for Human Activity Detection and Recognition", *International Journal of Simulation: Systems, Science and Technology (IJSST)*, Vol.14, No.5, 2013

Conference Papers

1. B Rehman, WH Ong, TD Ngo, "A Development Framework for Automated Facial Expression Recognition Systems", *International Conference on Computational Intelligence in Information System*, 2021
2. BR Hussein, OA Malik, WH Ong, JWF Slik, "Semantic Segmentation of Herbarium Specimens Using Deep Learning Techniques", *Computational Science and Technology*, 321-330
3. Hussein, Burhan Rashid and Malik, Owais Ahmed and Ong, Wee-Hong and Slik, Johan Willem Frederik, "Automated Classification of Tropical Plant Species Data Based on Machine Learning Techniques and Leaf Trait Measurements", *Computational Science and Technology*, pp 85-94, 2020
4. Hussein, Burhan Rashid and Malik, Owais Ahmed and Ong, Wee-Hong and Slik, Johan Willem Frederik, "Semantic Segmentation of Herbarium Specimens Using Deep Learning Techniques", *Computational Science and Technology*, pp 321-330, 2020
5. Mateen, Abd Qawiyyel and Ong, Wee-Hong, "Implementation and Evaluation of IoT System Using Cloud Storage Platform", *2018 2nd International Conference on Big Data and Internet of Things (BDIOT 2018)*, pp 157-161, 2018
6. Rehman, Bacha and Ong, Wee-Hong, Tan, Abby Chee Hong, "Hybrid Model with Margin-Based Real-Time Face Detection and Tracking", *International Workshop on Multi-disciplinary Trends in Artificial Intelligence*, pp 360-369, 2017
7. Rehman, Bacha and Ong, Wee-Hong and Tan, Abby Chee Hong, "Using Margin-based Region of Interest Technique with Multi-Task Convolutional Neural Network and Template Matching for Robust Face Detection and Tracking System", *2nd International Conference on Imaging, Signal Processing and Communication (ICISPC 2018)*, 2018
8. W. Ong, T. Koseki, L. Palafox, "Investigation of Cluster Validity Indices for Unsupervised Human Activity Discovery," in *Proceedings of The 2013 International Conference on Artificial Intelligence (ICAI'13)*, Vol.1, pp 315-321, 22-25 July 2013
9. W. Ong, T. Koseki, L. Palafox, "Unsupervised Human Activity Detection with Skeleton Data from

RGB-D Sensor," in Proceedings of The Fifth International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN), pp.30-35, 5-7 June 2013

10. W. Ong, L. Palafox, and T. Koseki, "Investigation of Feature Extraction for Unsupervised Learning in Human Activity Detection," Bulletin of Networking, Computing, Systems, and Software, North America, 2, Jan. 2013 (presented at The Second International Workshop on Networking, Computing, Systems, and Software, Okinawa, Japan in Dec 2012)
11. Kenneth Chiang-Yu Chin, Seyed Mohamed Buhari and Wee-Hong Ong, "Impact of LEGO Sensors in Remote Controlled Robot", IEEE International Conference on Robotics and Biomimetics 2008, pp 1777-1778

Reports

1. Ong Wee Hong, "Autonomous Human Action Recognition based on a Novel Incremental Approach of Clustering", PhD Thesis, The University of Tokyo, 2014
2. Ong Wee Hong, "Gaze Contingent Robotic Control", MSc Thesis, Imperial College London, 2004
3. Ong Wee Hong, "Using Research for Vocational and Technical Education and Training (VTET) Development", Country Report for the Joint Regional Programme Organized by SEAMEO VOCTECH Regional Centre, Brunei and Colombo Plan Staff College for Technician Education, Philippines, 2000
4. Ong Wee Hong, "Design of Air-Bridges in Slotlines", BEng Final Year Project Report, University of Manchester Institute of Science and Technology (UMIST), 1997

Others

1. H Anas, B Rehman, WH Ong, "Deep Convolutional Neural Network Based Facial Expression Recognition in the Wild", Expr Challenge Track of the Affective Behavior Analysis in-the-wild (ABAW) Competition 2020, arXiv Preprint, 3 Oct 2020
2. W.H. Ong, and T. Koseki, "Unsupervised Activity Detection Based On Human Range of Motion Features", Seoul National University-University of Tokyo (SNU-UT) Joint Seminar, Mar. 2013
3. Ong Wee Hong, "From nothing to something, it's tough but together we can make it", Science, Technology and Environment Partnership (STEP) Center Newsletter Issue 2, May 2007

// Updated on 17 May 2021