Brief Resume of Sulaiman Shaari

Personal

Full name	**Sulaiman Shaari**
Passport holder	MALAYSIA
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I enjoy travelling, exploring places and reading. I like to meet new people, learn about cultures, history, the arts and learn new things. I enjoy listening to classical Malay music as well as light and easy listening music. My native language is Malay and I am very fluent in written and spoken English. I have functional ability of Bahasa Indonesia and some basic knowledge of German.

Qualifications and certifications

Qualification	**Institution**	**Year awarded**
Ph.D. (Photovoltaic Systems)	De Montfort University, Leicester, United Kingdom	1998
M.S. (Physics)	University of Missouri, Kansas City, United States of America	1987
B.S. (Physics)	Kansas State University, Manhattan, United States of America	1984
Certificate (Photovoltaics)	Renewables Academy (RENAC) and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany	2015
Certificate (Photovoltaics)	Sustainable Energy Development Authority (SEDA), Malaysia	2014
Certificate (Photovoltaics & Renewable Energy)	New Energy Development Organisation (NEDO), Ministry of Economy, Trade and Industry, Government of Japan	2011
Certificate (Photovoltaics)	Global Sustainable Energy Solutions (GSES), Australia and Institute of Sustainable Power (ISP)	2007 & 2006

Areas of expertise

- Teaching and training of solar photovoltaics, renewable energy technology and physics at university, technical and competency levels.
- Research, development and consultancy in photovoltaic energy systems and applications.

Summary of activities involving training and talent cultivation

I have been involved in photovoltaic (PV) system applications and training development for more than twenty years and am a leading figure in this field in the country. I am the first Malaysian academic to have obtained a Ph.D. degree in PV systems from the United Kingdom. At the international level, I have and still am representing the Government of Malaysia (GoM) at various international organisations, such as: International Energy Agency Photovoltaic Power Systems (IEA-PVPS) for Tasks 11 and 13; International Electrotechnical Committee (IEC) for WG1_TC82; the NEDO Japan Master Trainer International Training Course on Support for PV Technology and Other RE Technology Programme; and the ASEAN-Deutsche Gesellschaft für Internationale Zusammenarbeit (ACE-GIZ) for its Train-of-Trainer (ToT) programme. I am the lead trainer-cum-examiner for the first International Sustainable Power Quality (ISPQ) accredited course in ASEAN, organised by the Ministry of Energy, Green Technology and Water (MEGTW) Malaysia since many years ago having students from many countries. This programme is now being continued under a different platform. I have conducted training on PV for ASEAN member states with recognition from ACE and was a Deputy Head for an APEC-funded project to develop a database of small to medium scale PV systems.

At the national level, I have been engaged and acted as advisor in various GoM and GoM-linked agencies since mid 1990's. These included providing expert services, advice and training on: PV systems design, curriculum development, evaluation, preparing tender documents, research proposals and post-project evaluations for grid- connected (GC) and off-grid (OG) PV systems. The agencies include: the MEGTW; the Ministry of Science, Technology and Innovation (MOSTI); the Ministry of Rural Development's (MORD) rural electrification programme; Energy Commission (EC); Sustainable Energy Development Authority (SEDA); Pusat Tenaga Malaysia's (PTM), Malaysian Building Integrated (MBiPV) PV project; the Public Works Department (PWD) capacity building on PV systems; Perbadanan Taman Negara Johor's Endau-Rompin PV hybrid system; MESITA's PV evaluation and post-project visits; CETREE, University of Science Malaysia (USM) workshops and publications; PTM's Solar Roadmap; and referee for several national journals and international seminars. Presently, I am Chief Master Trainer-cum-examiner for the SEDA competency programme for PV systems: designers; chargeman/wireman; and systems installers. I am chairman of the National PV Working Group on Malaysian Standards since 2010. With regards to the PV industry, I have been appointed as Chief Evaluator of PV Systems in Malaysia by the Malaysian Photovoltaic Industry Association (MPIA) and have trained local players on testing and commissioning procedures. Presently I am Vice-President II of the MPIA and my main profile is in training and competency development.

I was given an award by the Asian Photovoltaic Industry Association (APVIA) 2015 for my contribution in talent cultivation as an academic. I was also given an award by the Ministry of Science, Technology and Innovations, Malaysia 2013 for my contribution in developing national PV standards in Malaysia. I have also received various recognitions for my activities at the national and international levels.

At the Universiti Teknologi MARA (UiTM), currently, I hold the post of Associate Professor. Besides doing the regular academic job such as teaching, supervising and research, I am a member of the Green Energy Research Centre, and founding Director of the Photovoltaic Systems Monitoring Centre (PVMC) which monitors all GCPV systems in Malaysia under the MEGTW project. The PVMC has been a centre of reference from many, including: TNBR, PETRONAS, GoM agencies, local and international companies, etc. I have been regularly engaged as evaluator and referee for UiTM's energy and PV related projects, proposals and journals for UiTM funding prior to submission to the GoM funding bodies. I have also been involved in various energy and energy-efficiency related activities at UiTM, such as: energy audits, organising seminars/workshops, judging of competitions and reviewing technical journal papers.

I have won several excellent service awards from my present employer, as well as many awards for PV and related products in national and international exhibitions, written, presented and published many books on solar PV technology and physics, journals, conferences, etc.

End of summary