

PROF DATO' IR DR A BAKAR JAAFAR, PEng, FIEM, FASc



Dato' Ir Dr A. Bakar Jaafar is Professor, at Perdana Centre, UTM Razak Faculty of Technology & Informatics as well as the Director, UTM Ocean Thermal Energy Centre (UTM OTEC), Kuala Lumpur, Malaysia [since 1 August 2013], and also the Chairman of Malaysian Green Technology & Climate Change Centre (MGCC) [since 4 Oct 2019],

Prior to this, he was Elected-Member of UNCLOS Commission on the Limits of the Continental Shelf (1997-2012), UN HQ, New York; Director-General, Department of Environment Malaysia (1990-1995); Principal Assistant Director, Economic Planning Unit, Prime Minister's Department (1985); East-West Grantee, Environment & Policy Institute, Honolulu, HI (1980-84); Principal Assistant Director (Water Quality), Department of Environment Malaysia (1976-80); Staff Engineer, US EPA Industrial-Environmental Research Laboratory, Cincinnati, Ohio (1975); Factories & Machinery Inspector Malaysia (1973-74).

Not until he founded the UTM Ocean Thermal Energy Centre in 2013, he has been actively pursuing the commercialisation of OTEC Technology for the production of hydrogen and other OTEC spinoffs, including mineral water and high value marine produce, and has secured over RM21 million of R&D grants to enhance the existing technology for the period 2020-24.

He is an engineer by profession (BEM C112555), an environmental scientist by specialisation, and a maritime expert by current preoccupation. He holds a Bachelor of Engineering (Honours) degree in Mechanical Engineering from the University of Newcastle, Australia, 1973, a Master of Environmental Science from Miami University, 1976, and a Doctorate in [Marine] Geography from the University of Hawaii @Manoa, 1984.

He attended Sekolah M Alam Shah, Kuala Lumpur (1965-68), Sekolah Menengah Laki2 Bandar Melaka/Gajah Berang English School (1962-64), and Sekolah R Kandang Melaka (1956-1961).

