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Preface
This year the 9th International Conference on Energy & Environment (EE '14) was held in Geneva, Switzerland, December 29-31, 2014. The conference provided a platform to discuss renewable energy sources and technology, solar power, photovoltaic energy, fuel cells, hybrid systems and vehicles, alternative energy systems, environmental issues, power quality standards, climate change, renewable energy systems, wind energy and wind resources, environmental management, biodiversity, nuclear energy and environmental protection etc. with participants from all over the world, both from academia and from industry.

Its success is reflected in the papers received, with participants coming from several countries, allowing a real multinational multicultural exchange of experiences and ideas.

The accepted papers of this conference are published in this Book that will be sent to international indexes. They will be also available in the E-Library of the WSEAS. Extended versions of the best papers will be promoted to many Journals for further evaluation.

Conferences such as this can only succeed as a team effort, so the Editors want to thank the International Scientific Committee and the Reviewers for their excellent work in reviewing the papers as well as their invaluable input and advice.

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Plenary Lecture 1

Malaysia: A Review Study of Wind Speed & Wind Direction

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Abstract: The existing renewable energy sources such as solar, wind and biomass should be explored and fully utilized at the heart of sustainable development. Wind is the one of the most common sources that being studied with it wind speed as the preferences parameter. The aim of this study is to review on wind speed and wind direction studies in Malaysia. The revision was included previous methodology, data, analysis and finding. The results found that the best distribution that representing wind speed regime in Malaysia is Weibull. Moreover several areas are spotted as promising wind energy generator. As summary, this study could increases awareness on importance of wind as a substance to non-renewable energy sources. More studies need to be done in the future with broader coverage and details analysis.

Brief Biography of the Speaker: Azami Zaharim worked first 13 years as a lecturer in the Universiti Teknologi MARA (University of MARA Technology - UiTM) before joining the Universiti Kebangsaan Malaysia (National University of Malaysia - UKM) in the year 2003. He obtained his BSc(Statistics and Computing) with Honours from North London University, UK in 1988 and PhD (Statistics) in 1996 from University of Newcastle Upon Tyne, UK. He specialize in statistics, public opinion, engineering education and renewable energy resources. Currently, he is Professor in Solar Energy Research Institute, a center of excellence for the research and development in solar energy technology. He has been involved in the field of solar energy such as solar radiation and wind modeling. He is currently a head of Renewable Energy Resources and Social Impact Research Group under the Solar Energy Research Institute (SERI). He also has done many researches in Mathematics and Statistics field, especially on outlier detection. He has published over 200 research papers in journals and conferences, conducted more than 15 public opinion consultancies and delivered more than 5 keynotes/invited speeches at national and international meetings.