

Nuki Agya Utama

Position/Department/Division/Institution/Organization

Executive Director of the ASEAN Centre for Energy (ACE)

Country

Indonesia

Career history

Nuki Agya Utama has academics and research background as Post-Doctorate in Graduate School Energy Science Kyoto University for energy scenario planning in South East Asia.

Holding PhD, with research on Life Cycle Energy Analysis from Joint Graduate School of Energy and Environment, the University of Technology King Mongkut (KMUTT), Thailand.

Prior assuming his position in ACE, he had worked director level in various local companies and as consultant in a well-known international company. In his early career used to work as a consultant in UNDP and UNEP, working on energy and environment related issues. He also been served as the Head of Environmental Engineering department at Surya University, Indonesia and currently as lecturer in Swiss German University, Indonesia.

Awards/Publications

Awards:

1. Best poster awards, Assessment of community public acceptance of nuclear power generation in Japan and its influencing factors, 3rd GCOE International symposium, February 2010, Kyoto University, Japan
2. Best poster awards, Japanese prospective nuclear power generation expansion by 2050 and its public acceptance under known renewable and fossil fuel use constraints, 4rd GCOE International symposium, August 2010, Kyoto University, Japan
3. Best poster awards, the potential of Algae by photo bioreactor and open pond system in Japan, 4th International symposium of Kyoto University Global COE program, 22--23 May 2012, Bangkok, Thailand

Publication:

Scientific journal articles (peer--reviewed)

1. Agya Utama, Shabbir H Gheewala, Life Cycle Energy of single landed houses in Indonesia,

Energy and Buildings 40, 1911--1916, 2008

2. Agya Utama, Shabbir H Gheewala, Influence of material selection on energy demand in residential houses, Materials and Design 30, 2173--2180, 2009

3. Agya Utama, Shabbir H. Gheewala, Indonesian residential high rise buildings: A life cycle energy assessment, Energy and Buildings 41, 1263--1268, 2009

4. N. Agya Utama, Keiichi N. Ishihara, Tetsuo Tezuka, Shabbir H. Gheewala and Qi Zhang, Building codes assessment and electricity demand scenarios, Journal of Sustainable Energy and Environment journal

5. N. Agya Utama, Ben C. Mclellan, Shabbir H. Gheewala, Keiichi N. Ishihara, Embodied impacts of traditional clay versus modern concrete houses in a tropical regime, Building and Environment, Volume 57, pp. 362--369

6. N. Agya Utama, Keiichi N. Ishihara and Tetsuo Tezuka, Power generation optimization in ASEAN by 2030, Energy and Power Engineering, 2012, 4, 226--232 doi:10.4236/epe.2012.44031 Published Online July 2012

7. N. Agya Utama, Keiichi N. Ishihara, Qi Zhang and Tetsuo Tezuka, 2050 ASEAN electricity demand: Income--electricity causality test as reference information, Green Energy and Technology (T. Yao (ed.)), 17DOI 10.1007/978--4--431--53910--0_2, © Springer 2011 (In printing)

8. N. Agya Utama, Keiichi N. Ishihara, Tetsuo Tezuka, Miguel Esteban, Qi Zhang and Shabbir H. Gheewala, Transportation's impact assessment on construction sector, Low Carbon Economy PP.152--158 Vol.2 No.3, 2011 DOI: 10.4236/lce.2011.23019

9. Miguel Esteban, Qi Zhang, Agya Utama, Tetsuo Tezuka, Keiichi N. Ishihara, Methodology to Estimate the Output of a Dual Solar--Wind Renewable Energy System in Japan, Energy Policy 38, 7793--7802, 2010

10. Miguel Esteban, David Leary, Qi Zhang, Agya Utama, Tetsuo Tezuka, Keiichi N. Ishihara, Job retention in the British offshore sector through greening of the North Sea energy industry, Energy Policy 39, 1543--1551, 2011

11. Miguel Esteban, David Leary , Qi Zhang , Agya Utama, Tetsuo Tezuka, Keiichi N. Ishihara, The Greening of the Offshore Energy Sector in the North Sea, Climate Change, Impacts on Employment and the Labour Market -- Responses to the Challenges, March 25 -- 26, 2010, International Trade Union House (ITUH), Brussels

12. Qi Zhang, Benjamin Mclellan, Nuki Agya Utama, Tetsuo Tezuka and Keiichi N. Ishihara, Long--Term Scenario Analysis of a Future Zero--Carbon Electricity Generation System in Japan Based on an Integrated Model, Zero--Carbon Energy Kyoto 2010, Green Energy and Technology (T. Yao (ed.)), DOI 10.1007/978--4--431--53910--0_2, © Springer 2011.

Areas of expertise

Energy Efficiency, Renewable Energy, Sustainable Energy and Environment