

International Journal of Smart Grid and Clean Energy

CONTENTS

Volume 8, Number 1, January 2019

New Energy Development and Energy Engineering

ATHLET simulation code: Model validation of a thermal high-performance storage system.....	1
--	---

Torsten Klette, Thomas Gubsch, Christian Vogel, Doreen Kratzsch, Sebastian Braun, Steffen Härtelt, and Alexander Kratzsch

Fuel oil supply demand projection and planning in Indonesia using system dynamics modeling.....	11
---	----

Fitriyanti Mayasari, Rinaldy Dalimi

Energy management for solar-powered IoT devices with performance adjustment.....	22
--	----

YongSeok Lee, Moonju Park

Seasonal weather effects on wind power production in cold regions- a case study.....	31
--	----

<i>Jiayi Jin, Muhammad S. Virk</i>	
------------------------------------	--

Utilization of waste polyethylene pyrolysis oil as partial substitute for diesel fuel in a DI diesel engine.....	38
--	----

Mochamad Syamsiro, Harwin Saptoadi, Muhammad Kismurtono, Zahrul Mufrodi, Kunio Yoshikawa

Solar radiation analysis on GIS considering influence of weather condition and partial shadow analyzed by high-resolution digital surface model.....	48
--	----

Kokichi Yokozawa, Gai Fuchino, Atsushi Shiota, Yasunori Mitani

Model conceptualization for policy analysis in renewable energy development in Indonesia by using system dynamics.....	54
--	----

Akhmad Hidayatno, Regina Dhamayanti, Arry Rahmawan Destyanto

Electrical Engineering and Automation

Optimal PMU placement in a smart grid: An updated review.....	59
---	----

Marzieh Sefid, Mohd Rihan

Power loss reduction and reliability improvement of a large-scale electrical distribution system using network reconfiguration.....	70
---	----

Arun Onlama, Daranpob Yodphet, Apirat Siritaratiwat, Rongrit Chatthaworn, Chayada Surawanitkun, and Pirat Khunkitti

The Experiment Study of a Passive Containment Cooling System on Heat Transfer Property under DBA Accident.....	80
<i>Xianke Meng, Shengjun Zhang, Feng Shen, Bin Gao, Likai Fei, Dandan He</i>	
Power supply system for No. 0 station of substation based on photovoltaic energy storage.....	91
<i>Wang Zhihua, Pei Xinyu, Zhang ZhiLin, Guo Minquan, MEI Chenglin, Peng Yue</i>	
A simscape based design of a global maximum power point tracker under partial shading condition.....	98
<i>Mohammed S. Ibbini and Abdullah H Adawi</i>	