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The **2<sup>nd</sup> i-TREC 2017** (International-Tropical Renewable Energy Conference) aims to promote an opportunity and challenge tropical renewable energy integrated with environmentally safe and economically sustainable, to create a theoretical base of the development, utilization, implementation for further application of tropical renewable energy sources. This is also to promote research in the field of development of tropical renewable energy and to facilitate exchange of new ideas in these fields and to create a dialogue between scientists, professor, industrial and also practitioners. The main theme of **2<sup>nd</sup> i-TREC 2017** is **“Towards Tropical Renewable Energy Innovation and Technology Integration”**. The **1<sup>st</sup> i-TREC 2016** papers has been published in **AIP Conference Proceeding Volume 1826** and **International Journal of Technology Volume 7 Issue 8 (SE) 2016** (indexed by SCOPUS).

**3-4 OCTOBER 2017**  
COURTYARD BY MARRIOTT  
NUSA DUA, BALI  
INDONESIA

# THE INTERNATIONAL TROPICAL 2<sup>nd</sup> RENEWABLE ENERGY CONFERENCE (i-TREC)



## CALL FOR PAPER

### KEYNOTE SPEAKER

**Prof. Yves Andres**  
(EMN, Perancis)

**Prof. Widodo Wahyu Purwanto**  
(UI, Indonesia)

**Prof. Anutosh Chakraborty**  
(NTU, Singapore)

**Prof. Farid Nasir Ani**  
(UTM, Malaysia)

**Drs. Andianto Hidayat M.Sc (Eng)**  
(PT Pertamina, Indonesia)

### INVITED SPEAKER

**Assoc. Prof. Dr. Sulaiman Shaari**  
(UiTM, Malaysia)

**Assoc. Prof. Dr. Anwar Usman**  
(UBD, Brunei Darussalam)

**Prof. Dr. Akhmad Herman Yuwono**  
(UI, Indonesia)

**Ass. Prof. Sary Awad**  
(Ecole des Mines de Nantes, France)

### PRESENTING AUTHOR

#### REGULAR

| Participants            | Local        | International |
|-------------------------|--------------|---------------|
| Early Bird (30/07/2017) | Rp 2,000,000 | USD 300       |
| Normal (by 15/09/2017)  | Rp 2,500,000 | USD 350       |
| Late (by 30/09/2017)    | Rp 2,750,000 | USD 400       |
| On Site (no paper)      | Rp 1,500,000 | USD 120       |

#### STUDENT

| Participants              | Local        | International |
|---------------------------|--------------|---------------|
| Early Bird (30 July 2017) | Rp 1,000,000 | USD 100       |
| Normal (by 15/09/2017)    | Rp 1,500,000 | USD 150       |
| Late (by 30/09/2017)      | Rp 1,750,000 | USD 175       |
| On Site (no paper)        | Rp 1,250,000 | USD 95        |

### IMPORTANT DATES

|                         |                       |
|-------------------------|-----------------------|
| Abstract Submission     | <b>30 JULY 2017</b>   |
| Acceptance Notification | <b>5 AUGUST 2017</b>  |
| Full Paper Submission   | <b>30 AUGUST 2017</b> |
| Early Bird Registration | <b>30 JULY 2017</b>   |

\*All submitted papers will be peer-reviewed. The accepted and presented papers will be published in the IOP Conference Series : Earth and Environmental Sciences, EES (indexed in SCOPUS). Some selected papers will be published in IJTech (SCOPUS).

### CONFERENCE SCOPES

#### Symposia 1 : Renewable Energy System and Regulation

- Renewable energy business and economics
- Smart grid and smart city
- Low energy building and eco-architecture
- Innovative and ecologically sensible design
- Wind energy
- Solar energy and solar cells
- Hydrogen and fuel cell
- Energy efficiency and storage
- Hydropower energy
- Modeling and simulation for energy storage and conversion devices
- Electrochemical process and supercapacitors
- Sustainability and regulation
- Marine renewable energy conversion

#### Symposia 2 : Biomass and Biotechnology

- Advanced thermal and chemical processes
- Waste to energy
- Biomass industries and application
- Process chemistry and technology
- Recent advances in petrochemistry and engineering
- Life-cycles analysis
- Biomass conversion technologies for liquid and gaseous fuels, chemicals, and materials
- Biomass conversion technologies for heating, cooling and electricity
- Biomass Policies, Markets and Sustainability
- Bioenergy in integrated energy system
- Biogas and landfill gas
- Greenhouse gas balances of biomass and bioenergy system
- Advanced biofuels technology

#### Symposia 3 : Multifunctional and Advanced Materials for Renewable Energy Applications

- Carbon, graphene, oxides, composites/nanocomposites and mesostructured materials
- Catalyst and intelligent/smart materials
- Advanced superconducting, magnetic and material technologies
- Lithium, sodium, magnesium and potassium ion batteries
- Photocatalytic and electrochemical water splitting
- Electrolyte and electrolyte additives for energy storage devices

FOR MORE INFORMATION, PLEASE VISIT

<https://i-trec.ui.ac.id/>

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