ICoRER 2019 in conjunction with The 12th RCEnEeE 2019
Banyuwangi, East Java, Indonesia

Theme
“EMPOWERING AND DRIVING THE SUSTAINABLE FUTURE”
Renewable Energy Resources
- Exploration of Renewable Energy Resources
- Spatial Renewable Energy Mapping and Planning
Renewable Energy Technology
- Renewable Energy Conversion and Technology
- Renewable Energy Integration, Smart Grid and Energy Network
- Energy Storage
Sustainable Energy System
- Life Cycle Assessment (LCA)
- Life Cycle and Impact Assessment (LCIA)
- Business Models and Financing Schemes
- Best Practice Policies
- Energy Efficiency in Industry – Road to Proper
- Energy Efficiency and Technology Community and Environmental Impact of Renewable Energy Implementation

Keynote Speakers
- Prof. Tetsuya Kado, Kanazawa University, Advanced Functional Materials
- Ir. F.X. Sutijastoto, MA, Director General of New, Renewable Energy and Energy Conservation
- Dr. Rudolf Hauch, Director, Renewable Energy Program, GIZ
- Prof. Shigenori Fujino, Global Innovation Center, Kyoto University Advanced Project Division
- Prof. Ohashi Hideaki, Institute of Advanced Energy, Kyoto University
- Prof. Takanori Juna, Department of Energy and Environmental Engineering, Kyoto University

Speakers of Symposium
- Dr. Dr.C.J. Dahlan Iksan, National Program
- Dr. H. Emil Pledianto Dardak, M.Sc, Deputy Governor of East Java
- Ir. F.X. Sutijastoto, MA, Director General of New, Renewable Energy and Energy Conservation
- Abdullah Aybar, Arif, S.Pd., M.Si, Regent of Banyuwangi

Important Dates
- 12-14 Nov 2019
- 13 Nov 2019: Notification of Acceptance
- 20 Mar 2019: Early Bird

Conference Registration Fees
- LOCAL STUDENTS: IDR 2,400,000
- LOCAL NON-STUDENT: IDR 4,000,000
- INTERNATIONAL STUDENTS: USD 125
- INTERNATIONAL NON-STUDENT: USD 250
- Visitor: USD 50

Selected papers will be published in AEJ Journal (Asian Engineering Journal) or ECI Web of Conferences (indexed by Scopus)

12-14 November 2019
eL ROYALE HOTEL BANYUWANGI
EAST JAVA, INDONESIA

https://icorer2019.com/
Preface 1\textsuperscript{st} ICoRER 2019

The 1\textsuperscript{st} International Conference on Renewable Energy Research and Challenge (ICoRER 2019) in conjunction with Regional Conference on Energy (RCEneE 2019) has been organized by the Department of Engineering Physics, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia with the support by JICA Project for AUN/SEED-Net. The conference was held on November 12–13, 2019 in Banyuwangi, Indonesia. The aim is to distribute research outcomes on renewable energy and related area.

ICoRER and RCEneE 2019 presented five international honorable keynote speakers from representative institutions: i) Dr. Rudolf Rauch, Director Renewable Energy Program GIZ; ii) Ir. Miftahul Jannah., M.M, Director of Operation 2 PT. Pembangkitan Jawa-Bali, Indonesia; iii) Prof. Shigeru Fujino, Global Innovation Center, Advanced Project Division, Kyushu University; iv) Prof. Ohgaki Hideaki, Institute of Advanced Energy, Kyoto University; and v) Prof. Tanimoto Jun, Department of Energy and Environmental Engineering, Kyushu University. Pursuing the international network of researchers and industrial applications, this event invited overseas colleagues to share their best research works as well as local academia and industrial engineers. Over 100 representatives from various institutions participated in this event, involving more than 140 abstracts submitted. After a rigorous selection process, the Scientific & Editorial Board of ICoRER 2019 decided to publish 40 papers in E3S Web of Conferences, an open-access proceedings in environment, energy and earth sciences, managed by EDP Sciences, Paris, and indexed on Scopus, Scimago, Conference Proceedings Citation Index-Science (CPCI-S) of Clarivate Analytics’s Web of Science, DOAJ (Directory of Open Access Journals). Meanwhile, the papers from RCEneE 2019 are published in the Scopus indexed, Asean Engineering Journal.

The Proceedings of the 1\textsuperscript{st} ICoRER, 2019 consists of 40 selected articles, amount six articles from Mauritius, Philippines, Thailand, and 27 articles were the results of joint research by Indonesian and overseas scholars. In the collaboration research, 49 institutions were involved 15 of which were from abroad Indonesia. The overseas institutions are from: Australia, Estonia, Germany, India, Latvia, Lithuania, Malaysia, Philippines, P.R. China, Saudi Arabia, Siera Leone, Sweden, Taiwan - ROC, Thailand, and United Kingdom. Each of the papers submitted in E3S Web of Conferences was reviewed by at least two experts using the double-blind system.

The
published papers have passed all necessary improvement requirements in accordance to the Web of Conferences standard, reviewer’s comments, SI (Système International d’Unités), similarity tests by Turnitin program (with the highest threshold of 20 %), 90 % of references must be at least dated from 15 years, and reflected on Google, as well as editing procedure by professional editors from four countries (Indonesia, Latvia, Singapore, and Sweden).

We would like to express our gratitude to the official committee, scientific & editorial boards, organizing partners, and “Rumah Paper Kita” as editing and proofreading services. A very special thanks to AUN/SEED-Net for financially supporting this conference as well as assistance on the conference agenda. Finally, we would like to briefly acknowledge all presenters and attendees for their efforts sharing the beautiful ideas and useful research outcomes to inspire further research and collaborations. We hope this time, all papers can be rearranged into the collection of scientific works as a first publication of ICoRER 2019 and everyone will be proud of this result.

Surabaya, Indonesia – in Covid 19 Pandemy
September 10, 2020

Assoc. Prof. Gunawan Nugroho, PhD
Conference Chair
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Board of Editor: Muhammad Danang Birowosuto (Singapore, SGP), Rangga Kala Mahaswa (Yogyakarta, IDN), Yahya Jani (Kalmar, SWE), and Zane Vincēviča-Gaile (Riga, LVA)

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ICoRER 2019 in conjunction with The 12th RCEneE 2019
Banyuwangi, East Java, Indonesia

12-14 NOVEMBER 2019
eL ROYALE HOTEL BANYUWANGI
EAST JAVA, INDONESIA

Opening ceremony by:
Prof. Dr. Ir. Mochamad Ashari M. Eng
Rector of ITS, Surabaya

Theme:
“Empowering and Driving the Sustainable Future”

ICoRER 2019 in conjunction the 12th RCEneE
PARTICIPANTS
Keynote Speakers

Prof. Dr. Jun Tanimoto, Kyushu University, Japan

Prof. Dr. Shigeru Fujino, Kyushu University, Japan

Prof. Dr. Ohgaki Hideaki, Kyoto University, Japan

Dr. Rudolf Rauch
Director Renewable Energy Programme Indonesia/Asean, GIZ

Ir. Miftahul Jannah, M.M,
Director of Operation 2
PT. Pembangkitan Jawa-Bali, Indonesia

Theme Symposium:
“Indonesia’s Readiness to Face Energy Disruption and Transition”
PARALLEL SESSION

Traditional Dance

Gandrung Barong Kemiren Jaripah

Jejer Gandrung

Traditional Dance
Please email to the Contact Person below.
If you need a proceedings cover the 1st ICoRER 2019 above:

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