

ASIAN BIOMASS TO POWER



27 – 28 Nov 2019 , Grand Millennium, Kuala Lumpur

Biomass Energy a step towards Sustainability

Under the Patronage Of



Key Speakers

- Ms Yeo Bee Yin, Minister, Ministry of Energy, Science, Technology, Environment & Climate Change, Malaysia
- Kenny Low, Executive Director & GM, Maju Intan Biomass Energy Sdn. Bhd.
- Yoshinobu Kusano, Executive Advisor & GM, Fuel Procurement, Biomass Energy, RENOVA, Inc. & Senior Asian Policy Adviser, FutureMetrics
- Ryosuke Kanemitsu, Manager, Equis Bioenergy K.K.
- Dato Setia Dr J.P.Tan, Group President, Hualang Renewable Energy Sdn. Bhd
- Wan Hashimah, Director - Green Technology, The Malaysian Investment Development Authority (MIDA)
- S. Jai Shankar, Director - Oil & Gas, Chemicals & Energy, Malaysia External Trade Development (MATRADE)
- Dr Hirzun Mohd Yusof, Vice President, Sime Darby Renewables
- Tobias Cossen, Project Director Bioenergy, MOIT/GIZ Energy Support Programme

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Kuala Lumpur, Malaysia

ACI's **Asian Biomass to Power** will provide essential, expert guidance to Power Plant Owners / Operators updates on the Asian bioenergy market and its developments, as well as focusing on feedstock availability and sustainability challenges. It will provide an ideal platform for stakeholders from Power Companies, Biomass Producers, Biomass Traders & Distribution Companies, Renewable Energy Consultancies, EPC Contractors and OEMs, Regulatory & Research Bodies to converge.

70+ industry professionals will come together and focus on new regulatory framework, changing demand, biomass economics. Over the two days, the event will give you in-depth look into bioenergy production processes and latest technology advancements, through case studies, interactive sessions and panel discussions led by industry experts.

Who will be attending?

ACI's Biomass To Power will bring together CEOs, Presidents, Managing Directors, VPs, Unit Heads, Plant Heads, Technical Heads, R&D Heads, Lead Analysts, Senior Traders, Advisors, Brokers and Consultants will be drawn from:

- Power Utilities
- Biomass Producers & Feedstock Producers
- Wood pellet and Wood chips producers
- Palm Kernel Shells (PKS) exporters
- Biomass Traders & Distribution Companies
- Renewable Energy Consultancies
- EPC Contractors and OEMs
- Regional & National Governments
- Regulatory & Research Bodies
- Plantation and forestry companies
- Financing institutions
- Feedstock Processing & Torrefaction Technology Providers
- Pelleting Machinery Providers
- Logistics & storage providers
- Sustainability consultants
- Construction and Testing / Inspection Companies

Speaking Opportunities

If you would like to be considered as a speaker, for a 20-30mins presentation, at the event please submit an abstract for consideration to:

Nitisha Sancheti

+91 2048523149 / nitisha@acieu.net

Confirmed Speakers

Ryuu Lee, Head Of Material Department – Renewable Energy Team, **Hanwa Thailand Co**

Michael Wild, President, **International Biomass Torrefaction Council (IBTC)**

Arfizal Ariffin, Executive Director, **Detik Aturan Sdn Bhd**

Kitti Chulasamaya, CEO, **Biopellets (Thailand) Company Limited**

Hakan Johansson, Division Manager – Asia & Turkey, **Firefly AB**

David Gardner, Managing Director, **Green Forest Consulting Pte Ltd**

Dr Bemgba B. Nyakuma, Hydrogen & Fuel Cell Laboratory – School of Chemical & Energy Engineering, **Universiti Teknologi Malaysia**

Ir. Bernard Simon, Head of ReFuel, **Cenergi SEA Sdn Bhd**

Tony Segadelli, Managing Director, **Owl Energy LTD.**

Dr Ahihiko Kosugi, Project Leader, **Japan International Research Center for Agricultural Sciences (JIRCAS)**

Dr Md. Abul Kalam, Professor – Dept of Mechanical Engineering, **University of Malaya**

Key Topics

- Asian Biomass Industry Outlook & Prospects
- Policy & Regulation - Motivating Biomass Energy Growth in Asian region
- Export Outlook of Wood Pellets from Upcoming regions – Indonesia, Philippines, Thailand & Malaysia
- Investment Opportunities in Biomass Energy Sector
- PANEL DISCUSSION | Challenges & Opportunities Operating a Biomass Power Plant
- Availability & Sourcing of Quality Feedstock
- Biomass Handling & Storage
- The Latest Biomass Conversion Developments Transforming & Fueling the Biomass Power Industry

Registration Is Simple

If you would like to register for this event or wish to find out more information, please contact:

Pramod Kale

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DAY 1

Wednesday 27th Nov 2019

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**

S. Jai Shankar
Director – Oil & Gas, Cysochemicals and Energy
Malaysia External Trade Development (MATRADE)

09:15 **INAUGURAL ADDRESS**

Ms Yeo Bee Yin
Minister
Ministry of Energy, Science, Technology, Environment and Climate Change, Malaysia (MESTECC)

09:45 **KEYNOTE**

Investment Opportunities in Green Technology Industry

Wan Hashimah
Director – Green Technology Division
The Malaysian Investment Development Authority (MIDA)

10:15 **CONFERENCE PRESENTATION**
Biomass Energy in Vietnam – Status, Outlook and Perspectives for the Private Sector

- Status of the Vietnamese biomass market
- Outlook for biomass energy in the future
- Support mechanisms for the private sector for development and implementation of biomass projects

Tobias Cossen
Project Director Bioenergy
MOIT/GIZ Energy Support Programme

11:00 **MORNING REFRESHMENTS**

11:30 **CONFERENCE PRESENTATION**
Malaysia's Biomass Industry - The Sustainability Agenda

S. Jai Shankar
Director – Oil & Gas, Cysochemicals and Energy
Malaysia External Trade Development (MATRADE)

12:00

CONFERENCE PRESENTATION

Export outlook of wood pellet from the upcoming country: Indo, Malay, Thailand, Philippines

- Update wood pellet supply situation from a Southeast Asian Nations
- The possible Asian region supply keeps up with the market demand
- Export Outlook from Indonesia, Philippines, Thailand & Malaysia

Kitti Chulasamaya
CEO
Biopellets (Thailand) Company Limited

12:45

CONFERENCE PRESENTATION

How to prevent fire in the Bioenergy Sector?

- The fundamentals about Fires and Dust Explosion
- How to prevent Fires in the Wood Pellet industry
- How to prevent Fires in the Recycling Industry

Hakan Johansson
Division Manager – Asia & Turkey
Firefly AB

13:30

LUNCHEON & NETWORKING

14:30

CONFERENCE PRESENTATION

Case Studies: Biomass to Power Projects

- From Systems Selection to Installation, Commissioning and Operations- Understanding the Life Cycle of Biomass Power Plants & its strengths and weaknesses
- CHP plants: Coal Conversions, New Built & Extensions
- Small scale vs. large scale developments -
 - Technological & Operational risks faced
- Success Stories, Learnings & Best

Ryosuke Kanemitsu
Manager
Equis Bioenergy K.K.

15:15	PANEL DISCUSSION Challenges & Opportunities Operating a Biomass Power Plant <ul style="list-style-type: none">▪ Maintaining Feedstock Availability throughout the year▪ Waste disposal methods & techniques▪ Cost reduction potentials for Biomass – Fired Electricity Generation▪ Measuring the Sustainable Return on Investment (SROI) of Waste-to-Energy▪ Financing Options available & Government Initiatives▪ Diversification of biomass use: chemicals, materials, 2nd generation fuels Moderator: <p>S. Jai Shankar Director – Oil & Gas, Cyusochemicals and Energy Malaysia External Trade Development (MATRADE)</p> Featured Panelists: <p>Kenny Low Executive Director & General Manager Maju Intan Biomass Energy Sdn. Bhd.</p> <p>Dato' Setia Dr. J P Tan Group President Hualang Renewable Energy Sdn. Bhd</p> <p>Tony Segadell Managing Director Owl Energy LTD.</p>	
		<ul style="list-style-type: none">▪ This technology also suitable to be use to other biomass which contain high potassium <p>Arfizal Ariffin Executive Director Defik Aturan Sdn Bhd</p>
	17:15	CONFERENCE PRESENTATION Biomass Handling & Storage <ul style="list-style-type: none">▪ Characterisation of feedstock, harvesting technologies, logistics and storage - Mobilisation of Biomass▪ EFB Treatment – How pellets treated are treated in order to reduce transportation cost?▪ Challenges in shipping biomass – A perspective for small and handy bulkers▪ Economical ways for Bulk handling▪ How to handle unutilised biomass waste either by converting it to power or developing ethanol based plants?▪ Innovate and adapt to feedstock flexibility through innovations in supply chain management to handle Risk associated with biomass (PKS) logistics <p>Ryu Lee Material Department - Renewable Energy Section HANWA THAILAND CO., LTD.</p>
	18:00	CHAIRMAN'S CLOSING REMARKS <p>S. Jai Shankar Director – Oil & Gas, Cyusochemicals and Energy Malaysia External Trade Development (MATRADE)</p>
16:00	AFTERNOON REFRESHMENTS	
16:30	CONFERENCE PRESENTATION Premium EFB Pellet – A New Feedstock for Biomass Power Plant <ul style="list-style-type: none">▪ Malaysia & Indonesia produce more than 100 million tons of Palm Biomass which most of then still unutilise▪ Consuming palm biomass directly for firing is not suitable as it contain high potassium and chlorine▪ Technology of producing into Premium Pellet is a solution and potentially be use directly in power plant either Co-firing or dedicated Biomass Power Plant	
	18:10	CLOSE OF DAY ONE

DAY 2

Thursday 28th Nov 2019

08:30 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS

Michael Wild
President

International Biomass Torrefaction
Council (IBTC)

09:15 CONFERENCE PRESENTATION
Availability & Sourcing of Quality Feedstock

- Criteria for biomass fuel procurement by Renova
- Difference between North American biomass and Asian biomass
- Quality requirement on biomass procured by Renova
- Pricing thought on biomass to Japan

Yoshinobu Kusano

Executive Advisor & GM, Fuel
Procurement Group, Biomass Energy
RENOVA Inc. & Senior Asian Policy
Adviser, **FutureMetrics**

09:35 CONFERENCE PRESENTATION
Palm-based feedstock from a Perspective of Plantation owner

- Availability of biomass from Plantation
- Competing uses – internal and other technology
- Renewable energy sector in Malaysia – solar, biogas and biomass
- Technical and economic feasibility of biomass to power

Dr Hirzun Mohd Yusof
Vice President

Sime Darby Renewables

10:20

CONFERENCE PRESENTATION

The Latest Biomass Conversion Developments Transforming & Fueling the Biomass Power Industry

Unlocking the potential of oil palm Empty Fruit Bunches ("EFB") pellets as a sustainable fuel source for Malaysia will bring Malaysia closer to achieving its RE and climate change commitments, both locally and internationally. Malaysia's oil palm industry processed 97 mil tonnes of Fresh Fruit Bunches (FFB) in 2018, producing up 20 mil tonnes of EFB. An underutilized resource, EFB is Malaysia's answer to sustainable fuel. Traditionally a difficult to handle fuel, technology advancements show there is promise in EFB Pellets being a compatible fuel for co-firing in power generation plants. This potential, coupled with solutions to address the challenges around EFB Pelleting and power generation may be the key to Malaysia achieving its RE targets.

Ir. Bernard Simon
Head of ReFuel

Cenergi SEA Sdn Bhd

11:05

MORNING REFRESHMENTS

11:35

CONFERENCE PRESENTATION

Recent Development in Thermally Treated Biomass

- Torrefaction and Carbonization Technologies
- Status of technology implementation, recent projects
- Comparison along the full supply chain: Wood Pellets vs Torrefied Biomass

Michael Wild
President

International Biomass Torrefaction
Council (IBTC)

12:20

CONFERENCE PRESENTATION

Old Oil Palm Trunk is a Promising Bioresource for Renewable Energy Production

Dr Ahihiko Kosugi
Project Leader
Japan International Research Center
for Agricultural Sciences (JIRCAS)

13:05

LUNCHEON & NETWORKING

14:05

CONFERENCE PRESENTATION

Current Status and Future Outlook on the Waste Management and Sustainable Valorisation of Boiler Ashes in Palm Oil Mills in Malaysia

- Overview of Boiler Ash Waste Disposal and Sustainable Management
- Valorisation and Utilization Techniques for Ashes from Biomass Combustion
- Applications for Ash:
 - o Landfilling or Fertiliser
 - o Bottom Fly Ash being used as a component for construction materials
 - o Conversion into fuels

Dr Bemgba B. Nyakuma
Hydrogen & Fuel Cell Laboratory –
School of Chemical & Energy
Engineering
Universiti Teknologi Malaysia

14:50

CONFERENCE PRESENTATION

Investment & Financing Opportunities in Biomass Energy Sector

- Commercial viability of bioenergy projects
- Risk assessment of financing Bio power projects
- International and Domestic Policy Drivers & Feeding Tariff policy
- Strategies for international cooperation, subsidiaries & support framework
- Projected biomass and waste installed capacity for power generation and annual investment
- The LCOE of Biomass-fired Power Generation
- Discussing various Credit options for scaling-up and market implementation of new technologies

15:35

- Exploring the options of exporting fuel while hedging risk

David Gardner
Managing Director
Green Forest Consulting Pte Ltd

CONFERENCE PRESENTATION

Assessment of various issues related to higher fraction of biodiesel in engine system

- Effect of oxygen on fuel degradation
- Carbon deposition due to endurance test
- Engine power degradation due to higher fraction of biodiesel
- Fuel dilution and emission effect for biodiesel fuels

Dr Md. Abul Kalam
Professor – Dept of Mechanical
Engineering
University of Malaya

16:20

CHAIRMAN'S CLOSING REMARKS

Michael Wild
President
International Biomass Torrefaction
Council (IBTC)

16:30

END OF CONFERENCE & AFTERNOON REFRESHMENTS

Asian Biomass To Power

Kuala Lumpur, Malaysia

27th– 28th
Nov
2019

Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Pramod Kale** using any of the following methods:

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Registration Is Simple

Conference (Includes Access to Documentation Pack)
27th & 28th Nov 2019

£1,695.00

Documentation Pack Only

£470.00

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Members and customers of all supporting organisations are entitled to a discount off their conference package.

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Accommodation The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago, ACI opened its European head office in London at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, chemicals, cosmetics & pharma and opening offices in Poznan (Poland) & Pune (India).

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