

SETC

Preliminary Program

NOVEMBER 15-17, 2017
JAKARTA, INDONESIA

23RD SMALL ENGINE TECHNOLOGY CONFERENCE
“SMALL ENGINE TECHNOLOGY -
GENERATING A PROMISING FUTURE”

2017



Society of Automotive Engineers of Japan, Inc.





PERTAMINA





Preliminary Program



“SMALL ENGINE TECHNOLOGY - GENERATING A PROMISING FUTURE”

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*PLEASE FIND GUIDELINES FOR SPONSORSHIP ATTACHED ON THE BACK OF PAGE 46

PROGRAM AT-A-GLANCE

Time \ Date	Tuesday November 14, 2017	Wednesday November 15, 2017	Thursday November 16, 2017	Friday November 17, 2017	
07:00 - 08:00	Tour Registration				
08:00 - 09:00	Technical Visit				
09:00 - 10:00		Opening Ceremony Keynote Speech Room: Merak 1,2,3 (A, B, C)		Technical Session	
10:00 - 11:00		Coffee Break	Plenary Session Room: Merak 1,2,3 (A, B, C)	Coffee Break	Exhibition & Poster Session
11:00 - 12:00		Technical Session		Technical Session	
12:00 - 13:00		Lunch	Lunch	Lunch	
13:00 - 14:00			Technical Session	Technical Session	Award & Closing Ceremony Room: Merak1,2,3
14:00 - 15:00		Registration	Coffee Break	Coffee Break	
15:00 - 16:00			Exhibition & Poster Session	Exhibition & Poster Session	
16:00 - 17:00			Registration	Registration	
17:00 - 18:00			Technical Session	Technical Session	
18:00 - 19:00		Welcome Reception Room : Kasuari Lounge			
19:00 - 20:00		Banquet * Location : Batavia Marina			
20:00 - 21:00					

*Banquet start time may be subject to change due to situation of transportation.

Introduction of SETC2017

**“Small Engine Technology
- Generating a Promising Future”**

Since its first event in 1989, Small Engine Technology Conference (SETC) continues to be the international technology conference for small engines and related products. SETC is jointly sponsored each year by Society of Automotive Engineers of Japan, Inc. (JSAE) and SAE International.

JSAE is pleased to organize the 23rd SETC at Jakarta Convention Center from November 15 through 17, 2017. The event is co-organized by Society of Automotive Engineers Indonesia (IATO). It is also supported by Japan Land Engine Manufactures Association (LEMA).

During this twenty eight years period, the meaning of “Engine” has been changed from “so-called engine” to “all kinds of power source”. Aspiring to infinite significance of small engine technologies with consideration of mobility, environment, economy and safety, JSAE has chosen the theme of this conference — “Small Engine Technology - Generating a Promising Future”

Patronage of **FISITA** 

FISITA *Introduction*

This event is organized under FISITA Patronage.

FISITA is the international federation linking the national automotive engineering societies in 37 countries. FISITA was founded in 1948 as a neutral forum for the exchange of technical knowledge on every aspect of vehicle design, development and manufacture. FISITA is a non-profit organisation committed to helping create efficient, affordable, safe and sustainable automotive transportation.

www.fisita.com

SETC History

Times	Year	City	Country
1st	1989	Milwaukee	USA
2nd	1991	Yokohama & Hamamatsu	Japan
3rd	1993	Pisa	Italy
4th	1995	Milwaukee	USA
5th	1997	Yokohama	Japan
6th	1999	Madison	USA
7th	2001	Pisa	Italy
8th	2002	Kyoto	Japan
9th	2003	Madison	USA
10th	2004	Graz	Austria
11th	2005	Bangkok	Thailand
12th	2006	San Antonio	USA
13th	2007	Niigata	Japan
14th	2008	Milwaukee	USA
15th	2009	Penang	Malaysia
16th	2010	Linz	Austria
17th	2011	Sapporo	Japan
18th	2012	Madison	USA
19th	2013	Taipei	Taiwan
20th	2014	Pisa	Italy
21st	2015	Osaka	Japan
22nd	2016	Charleston	USA
23rd	2017	Jakarta	Indonesia

JSAE, SAE International and IATO would like to extend sincere appreciation to the following sponsors for support of the SETC2017 conference.

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JSAE

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Thomas Lagö (QirraSound Technologies Europe AB)
Paul Litke (Air Force Research Laboratory)
Ezio Mancaruso (Istituto Motori - CNR)
Michael Marcella (Maxima Racing Oils)
Luca Marchitto (Istituto Motori - CNR)
Nagesh Mavinahally (Meggitt Control Systems)
Geoffrey McCullough (Queen's University Belfast)
Jay Meldrum (Michigan Technological University)
David Palmer (BRP US, Inc.)
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Stephan Schmidt (Graz University of Technology)
Leonid Tartakovsky (Technion - Israel Institute of Technology)
Cinzia Tornatore (Istituto Motori - CNR)

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Ismail Syahrial (Universitas Pancasila)
Widjang Djendrawan (AISI-Suzuki)
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I Nyoman Sutantra (Institut Teknologi Sepuluh November)
Jayan Sentanuhady (Universitas Gajah Mada)
Poetro Lebdo Sambegoro (Institut Teknologi Bandung)
Bentang Arief Budiman (Institut Teknologi Bandung)

Conference Registration

On-line registration is scheduled to begin at the beginning of June 2017 on the SETC website (<http://www.setc-jsae.com>) or IATO website (<https://setc2017.iato.or.id/>) where technical visits and banquet participations will also be available.

Important Dates

- Early Bird Registration Deadline: September 30, 2017
- Online Registration Deadline : October 31, 2017

Registration Fee

CATEGORY	FEE (IDR)*		
	Early-Bird Online Registration (Until Sep 30, 2017)	Regular Online Registration (Oct. 1 – Oct 31, 2017)	Onsite (Cash Only ⁵⁾)
Presenting Author / Chair / SETC Committee Member ¹⁾	IDR 8,200,000	-	-
SAE/JSAE Member ²⁾	IDR 9,600,000	IDR 10,500,000	IDR 10,500,000
Non- SAE/JSAE Member	IDR 11,000,000	IDR 12,000,000	IDR 12,000,000
Student ³⁾	IDR 820,000	IDR 900,000	IDR 900,000
Accompanying Person ⁴⁾	IDR 960,000	IDR 1,100,000	IDR 1,100,000

*Note: 1 USD is about IDR 13,500

- 1) Presenting authors, session chairs / co- chairs and SETC committee members are required to register and make payment by September 30 2017. Please contact the Conference Secretariat (Email: SETC2017@iato.or.id) if it is difficult to do so. Otherwise, author's paper will be deemed as withdrawn and thus will not appear in the proceedings.
- 2) SAE/JSAE members who register on site are required to show the membership card. Regarding JSAE, only JSAE individual membership is applicable, corporate membership is inapplicable.
- 3) Student includes a student presenting author who may be requested to show an ID card on site.
- 4) Accompanying person is a family member of other category's participant except "Student", and is limited for one person only.
- 5) For onsite payment, only cash (USD or IDR) will be accepted at the onsite registration counter.

Entitlements of Registration Fees

- Admission to the Opening, Award & Closing Ceremony
- Admission to Keynote Speeches and Plenary Session
- Admission to Technical Sessions with Proceeding Media
- An accompanying person is not entitled for technical sessions and proceeding.
- Admission to the Exhibition
- Admission to Welcome Reception/Lunches, Coffee Breaks

Other Fees

Online registration is required for Technical Visits and Banquet. No ticket available onsite unless there is any cancellation. Persons who join these events must be conference participants.

- Technical Visits
 - Date : Tuesday, November 14, 2017
 - Time : 08:00 - 15:30
 - Fee : IDR 820,000 (lunch included)
- Banquet
 - Date : Thursday, November 16, 2017
 - Time : 18:00 - 20:00 (Start time may be subject to change due to situation of transportation)
 - Fee : IDR 820,000
 - Venue: Batavia Marina, No. 9 Komplek Pelabuhan,
Jl. Raya Baruna, Ancol, DKI Jakarta, 14430, Phone: (021) 6915599
 - The cost includes transportation fee from and to the JCC

Payment

International payment can be made using major credit cards such as VISA and Master. All payment will be charged based on the Indonesia Rupiah (IDR) fee. For onsite payment, only cash (USD or IDR) will be accepted at the onsite registration counter.

Refund Policy

Notification of cancellation and request for refund must be made in writing to SETC2017 Local Secretariat Email: SETC2017@iato.or.id

Refunds, less handling fee and bank charges, will be made after the conference as follows:

By Saturday, September 30	90% of the registration fee less handling charge to be refunded
By Tuesday, October 31	50% of the fee less handling charge to be refunded
After Tuesday, October 31	No refunds

Note: No refunds are applicable once a banquet and/or technical visits have been applied.



Balai Sidang **Jakarta Convention Center (JCC)**

Address: Jl. Jendral Gatot Subroto, Senayan,
Central Jakarta, 10270, Indonesia
Phone: +62 21 5726000

Strategically located in the heart of Jakarta, the Balai Sidang Jakarta Convention Center regularly hosts events for the world's political, business, and entertainment leaders. The Jakarta Convention Center premise spans around 120,000 sqm and comprises a round theater-style hall (Plenary Hall), two exhibition halls (Exhibition Hall A &

B), an Assembly Hall, a banqueting hall (Cendrawasih Room), a spacious main lobby and atmospheric lower lobby, VIP rooms and lounges, and ten further meeting rooms which can be configured to match specific event requirements. The Balai Sidang Jakarta Convention Center also has a business center to support your meetings. An independent 6,000 space

car park is located immediately in front of the convention center.

The premier location of Balai Sidang Jakarta Convention Center allows it to have easy access to the Soekarno Hatta international airport, the Jakarta central business district, the Presidential palace and central and municipal administrative buildings, as well as many of the city's prime shopping centers, restaurants, and golf courses. There are several hotels within walking distance of the convention center, including the Sultan Hotel which is linked to the conven-

tion center via an air-conditioned underground tunnel. Other mid- to high-range hotels such as the Hotel Mulia Senayan, the Ritz Carlton, and the Hotel Atlet Century are also within walking or short driving distance. Shopping malls nearby include Senayan City, Plaza Senayan, Ratu Plaza, FX, and Pacific Place – all accessible via a short walk through the sports grounds, or by car. Restaurants, pharmacies, ATMs, currency exchange booths, and supermarkets are located in most of these malls.

Exhibition and Poster Sessions

The technical exhibition and poster session during SETC2017 will offer a great opportunity for participants to network with colleagues and to explore the latest products and services on small engine industry. Also poster session will promote the engineering exchange and mutual understanding between academia and industries.

Coffee Break will be served in the same room, participants including researchers, engineers, technicians, manufacturers and suppliers will have good chances communicating with other prominent experts and related industries.

Exhibition & Poster Session Hours

*Wednesday, November 15, 2017,
10:00-17:00*

*Thursday, November 16, 2017,
10:00-17:00*

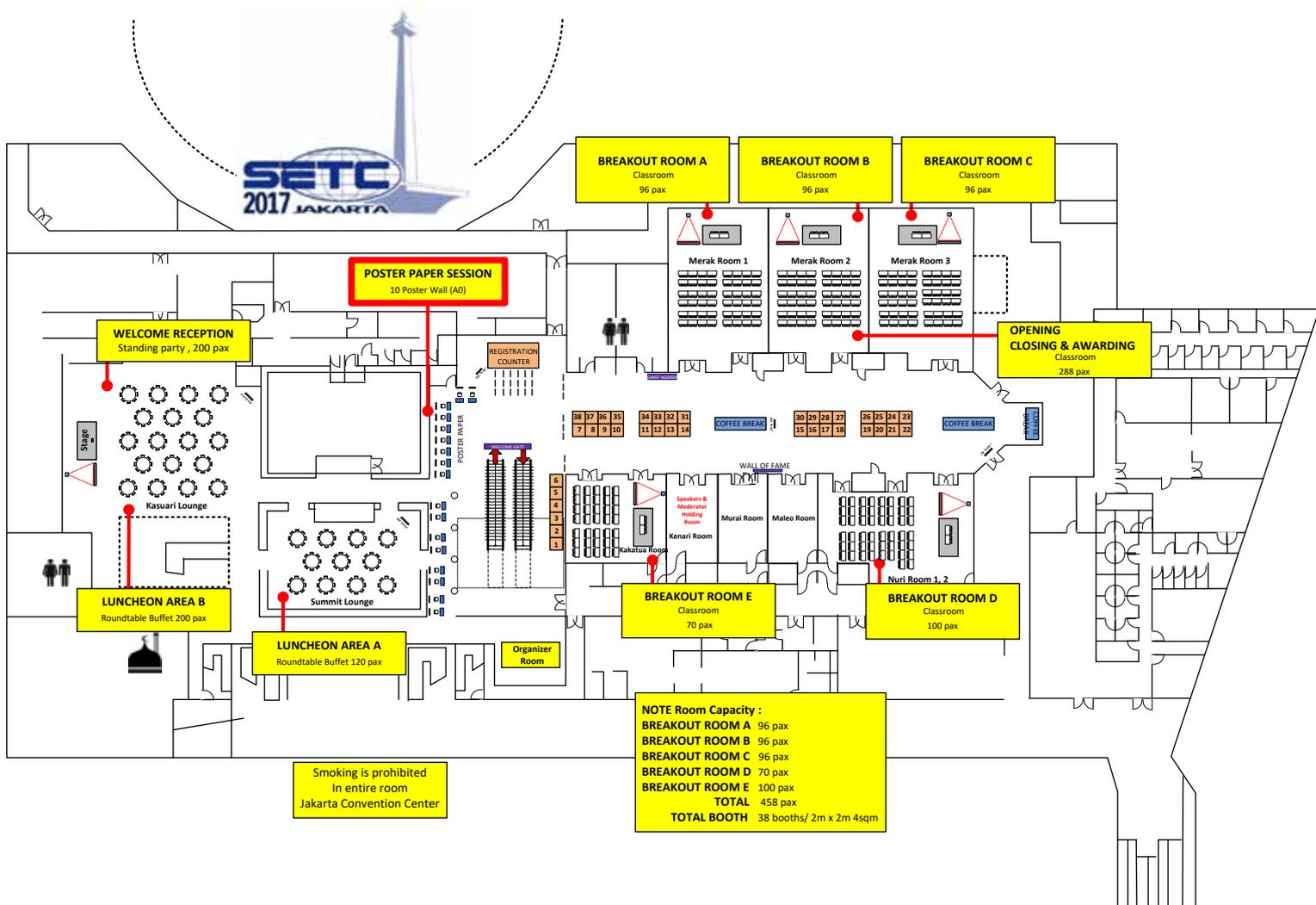
*Friday, November 17, 2017,
10:00-12:00*

.....

Lunch Service

*Type: Buffet
Lunch will be served to all
registered attendees during the
conference.*

JCC Floor Plan





www.avl.com



Technical Visit

Tuesday, November 14, 2017
Fee: IDR 820,000

Technical visit will be held on November 14, 2017 for all day long. The schedule of the visits will be as follow:

07:30 – 08:00	Registration at Lagoon Tower lobby of Sultan Hotel
08:00 – 10:00	Departure to Cikarang by Bus
10:00 – 11:30	AHM Factory Visit
11:30 – 13:30	Departure to Taman Mini Indonesia Indah (Lunch will be provided)
13:30 – 14:30	Taman Mini Indonesia (TMII) Cultural Tour
14:30 – 15:30	Entertainment on TMII Jawa Tengah Pavilion
15:30	Return to Hotel by Bus

PT Astra Honda Motor (AHM)

Established in 1971 as Federal Motor, PT Astra Honda Motor is development cooperation between Honda Motor Company Limited, Japan, and PT Astra International Tbk, Indonesia. AHM has the vision to take a lead in Indonesian motorcycle market and become a global player, by making customers' dream come true, to create joy to customers, and to contribute to Indonesian society. Its main mission is to create mobility solution to society with best products and services. In 2015, AHM has produced 50 million motorcycles making it as the

first motorcycle company in South East Asia that can achieve that number. AHM currently has 4 plants located in Sunter, Pegangsaan, Cikarang and Karawang to manufacture motorcycles and scooter. We will visit the Plant No. 3, located in Cikarang which produces more than 2 million units of automatic scooter model per year.



Taman Mini Indonesia Indah (TMII)

Taman Mini Indonesia Indah provides a preview of the Indonesian culture that is realized through the Pavilion areas representing 33 provinces in Indonesia. Provincial pavilion is built around the lake showing a miniature of the Indonesian archipelago, thematically divided into six zones; Java, Sumatra, Kalimantan, Sulawesi, Bali and Nusa Tenggara, Maluku and Papua. Each pavilion features typical traditional architecture building and displays a variety of local clothing, dances and traditions of the area. After 1 hour of guided tour in the TMII, we will take a break at Jawa Tengah Pavilion and enjoy a traditional dance performance.



Banquet

Thursday, November 16, 2017
Fee: IDR 820,000



The banquet will be held in Batavia Marina, a restaurant with a unique ambience in the northern part of Jakarta. This complex luxury restaurant is located on Sunda Kelapa Harbor, which provides a different atmosphere with the background of the harbor and waterfront. The Marco Polo dining Hall at Batavia Marina is one of a kind, very exclusive and cozy venue which combines a classical architecture with a very unique interior and decorations and a spacious garden seaside in the outdoor section. The banquet will provide a nice opportunity to socialize and network with all the colleagues and friends, and experience local cuisine. Alcohol beverages will also be served during the banquet.

KEYNOTE SPEECH IN OPENING CEREMONY

Speaker

(Tentative)



**Prof. H. Mohamad
Nasir, Ph.D., Ak.**

*Minister of Research,
Technology and
Higher Education
of the Republic of
Indonesia*

Education:

- 1975 - 1978 Pondok Pesantren Mambaul Ilmi Asy-syar'y Sarang, Rembang, Indonesia
- 1979 - 1982 SMA Kediri di Pondok Pesantren Al-Islah, Kediri, Indonesia
- 1983 - 1988 Bachelor Degree in Economics, Universitas Diponegoro, Semarang, Indonesia
- 1993 Master Degree (M.Si) from Universitas Gadjah Mada, Yogyakarta, Indonesia
- 2004 Doctoral Degree (Ph.D) from Universiti Sains Malaysia (USM), Penang, Malaysia

Career:

- 1986 - 1987 Auditor at Koperasi Jasa Audit Duta Karya
- 1987 - 1988 Auditor at Kantor Akuntan Publik Drs. Tahrir Hidayat
- 1989 - 1989 Finance Manager at PT. IKA CHIRZA PUTRA
- 1990 - 1992 Staff at Departemen Studi Kelayakan Bisnis, Kantor Akuntan Publik Drs. Bayudi Watu Perwakilan Semarang
- 1990 - 2014 Lecturer, Faculty of Economics, Universitas Diponegoro, Semarang
- 1994 - 1996 Coordinator for Accounting Extension Program, Faculty of Economics, Universitas Diponegoro
- 1994 - 1997 Member of Internal Quality Assurance, Universitas Diponegoro
- 1996 - 1998 Program Secretary, Accounting Department, Faculty of Economics, Universitas Diponegoro
- 1999 - 2006 Head of Master Program, Accounting Department, Faculty of Economics, Universitas Diponegoro
- 1999 - Present Member of Senate, Faculty of Economics, Universitas Diponegoro
- 2006 - 2010 Deputy Chancellors of Finance and Human Resources, Universitas Diponegoro
- 2007 - 2014 Specialized staff for DPRD Kota Semarang
- 2011 - 2014 Dean, Faculty of Economics and Business, Universitas Diponegoro,
- 2014 Member of Revitalization BUMD Jawa Tengah

Speaker



Mr. Hironori Iguchi

*Deputy Executive
General Manager of
Motorcycle Operations,
SUZUKI MOTOR
CORPORATION*

Education:

1978 Graduated from Master Course of Mechanical Engineering, Ibaraki University

Career:

- 1978 Joined to Suzuki Motor Corporation
Involved in Motorcycle Engineering Department
- 1996 Race Group Leader, Motorcycle Engineering Department
- 2001 General Manager of Motorcycle Engineering Department
- 2004 Managing Officer & Executive General Manager of Motorcycle Engineering Department
- 2008 Managing Officer & Deputy Executive General Manager of Purchasing Department
- 2009 General Manager of Motorcycle Quality Assurance Department
- 2016 General Manager of Audit Department
- 2017 Deputy Executive General Manager of Motorcycle Operations



**Dr. Holger
Lochmann**

*Director, Research
and R&D Services -
Andreas STIHL Ag
& Co. KG*

- 1967 Born in Frankfurt/Main, Germany.
- 1988 "After school and military service, started to study chemistry and chemical engineering at Technical University Darmstadt Germany. The main interests were atmospheric chemistry, chemical engineering and analytical chemistry. Followed by a PhD at TU-Darmstadt with the focus of a development of an analytical method for ultra small volume samples such as single plant cells or single rain drops."
- 1999 Joined STIHL as R&D engineer for catalyst development.
- 2001 "Became the leader of the central chemical lab of STIHL. Responsible for: fuels, oils, plastic materials, after treatment technologies and exhaust emission analysis."
- 2005 Appointed as Division manager for governmental relations and emissions at STIHL. Simultaneously he was elected as Chairman of the small SI engine group within Euromot. Within this function, he worked with European Commission, US-EPA, CARB and many other legislative bodies worldwide on the harmonization and development of new emission standards.
- 2014 Became the Division Staff Manager.
- 2015 Promoted to Director Research and R&D Services.

PLENARY SESSION

Thursday, November 16, 9:00 - 11:30

Theme : *Energy Outlook In Asian Countries From The Standpoint Of Small Engine Field* (Tentative)

We have focused on a number of themes and many intriguing ideas have been presented in the past SETCs.

Recently, small engine technologies have been applied for various industrial fields and adapted to many kinds of fuel resources.

There are a wide range of fuels used in small engine such as gasoline, light oil, bioethanol, biodiesel fuel, and CNG. It is an important element to understand the fuels' supply and demand structures, in order to explain the future development of small engine technologies in Asian countries and extend to worldwide.

In this SETC2017 plenary session, we invite experts in energy outlook in Asian countries.

Discussions will provide useful information for considering usage of fuels.

We hope to have an active exchange of opinions between the speakers and audiences.

Moderator



Prof. Takeo KIKKAWA

*Professor of Management,
Graduate School of Innovation
Studies, Tokyo University of Science*

*Office Address: Graduate School of
Innovation Studies, Tokyo University
of Science*

Education:

- 1975 Graduated from University of Tokyo
(Department of Economics, Economics Course)
- 1977 Graduated from University of Tokyo
(Department of Economics, Business Administration Course)
- 1983 Finished Doctoral Course of
Graduate School of University of Tokyo on Economics

Degree:

- 1996 Doctor of Economics (University of Tokyo)

Career:

- 1983 - 1987 Full-time Lecturer of Department of
Business Administration, Aoyama Gakuin University
- 1987 - 1993 Associate Professor of Department of
Business Administration, Aoyama Gakuin University
- 1987 - 1988 Visiting Scholar of Harvard Business School
- 1993 - 1995 Associate Professor of Institute of Social Science,
University of Tokyo
- 1996 - 2007 Professor, Institute of Social Science,
University of Tokyo
- 1996 Guest Professor of St. Gallen University
- 1998 - 2004 Guest Professor of Yonsei University
- 1998 - 1999 Guest Professor of Berlin Free University
- 2007 - 2015 Professor, Graduate School of Commerce and
Management, Hitotsubashi University
- 2015 - Present Professor of Management, Graduate School of
Innovation Studies, Tokyo University of Science
- 2013 - Present President, the Business History Society of Japan

Subject : **The Prospect of Energy Supply and Small Engine in Asia Pacific Rural Area** (Tentative)

Speaker



CHEW, Chong Siang Ph.D.

*Senior Researcher
Research Department, ASIAM
Research Institute, Inc. (ARI)*

Researches:

- 2006 - 2009 Indonesia Biofuels Program Evaluation
- 2009 Prospect of Renewable Energy on Policies and International Corporation Projects in Vietnam
- 2010 Energy Modeling Practice Program in Laos and Cambodia
- 2005 - 2015 Energy Modeling on Energy Demand/Supply Outlook of APEC Region Developing Country
- 2011 - 2014 Study on Asian Potential of Biofuel Market

Key Publications:

- Chew Chong Siang and Toyoda Takashi (2006), "The Used od System on Biomass Resource Development in China: Current Issues and Problems", Renewable Energy 2006, International Conference
- Chew Chong Siang (2006), "Current Status of New and Renewable Energies in China: Introduction of Fuel Ethanol", IEEJ Energy Journal Vol.3 Summer 2006, The Institute of Energy Economics
- Chew Chong Siang, "Sustainable Biomass System Development in Rural Indonesia", 2010.9
- Kan Sichao, Chew Chong Siang, "Biofuels in Selected Southeast Asian Countries", Presented at the 29th Conference on Energy, Economy, and Environment (Japan), 2013
- Chew Chong Siang, Kan Sichao, "Biofuel Demand and Supply in the Asian Region", China International Bio-Energy Conference & Expo 2014.6

Subject : **Potentials for Biofuel Use in Asia: A Supply, Demand and Policy Analysis**

Speaker



**ANBUMOZHI,
Venkatchalam PhD**

*Senior Energy Economist,
Economic Research Institute for
ASEAN and East Asia, Jakarta
Indonesia*

Education :

- PhD The University of Tokyo, Tokyo, Japan - 1995
- MEng, Asian Institute of Technology, Bangkok, Thailand - 1991
- BE, Tamilnadu Agricultural University, Coimbatore, India - 1989

Career :

- Senior Energy Economist, Economic Research Institute for ASEAN and East Asia (January 2014 –)
- Senior Fellow and Capacity Building Specialist – Asian Development bank Institute, Tokyo, Japan (December 2008 – December 2013)
- Senior Policy Researcher, Institute for Global Environmental Strategies, Kobe, Japan (September 2004- December 2008)
- Assistant Professor, The University of Tokyo, Tokyo, Japan (May 1999 – August 2004) (May 1999 - August 2004)
- Assistant Manager and Senior Engineer, Pacific Consultant International, Tokyo, Japan (October 1999 - May 1999)

Key Publications:

- Globalization of Low-Carbon Technologies: Impact of Paris Agreement, Springer Australia (2017)
- Towards Circular Economy: Corporate Management and Policy pathways, ERIA (2016)
- Investing in Low-Carbon Energy Systems: Implications for Regional Cooperation, Springer Australia. Springer Australia (2016)
- Managing the Transition to Low-Carbon Economy: Perspectives, Policies and Practices from Asia, Asian Development Bank and Asian Development Bank Institute (2015)

Subject : **Renewable Energy in Indonesia (TBD)**

Speaker



Dr. Dadan Kusdiana

Ministry of Energy and Mineral Resources of Republic of Indonesia

Directorate General of New, Renewable Energy and Energy Conservation

Education :

PHD from Graduate School of Energy Science, Kyoto University majoring in socio environmental energy science

Career :

2013 Director for Bioenergy

2015 Head for Public Communication Center of Ministry of Energy and Mineral Resource

2016 Secretary for Directorate General of New Renewable Energy and Energy Conservation

Awards :

2014: Japan Energy Society as The Best Young Researcher

Major Reserch Topics :

Biofuel production and uses technology

Key Publications:

Publications on biodiesel production technology on Elsevier Journal, Journal of American Oil Chemist Society, Industrial Chemical Engineering of Japan

Subject :

Pertamina Fuel, Lubricant and Domestic Gas

Speaker : Representative from Pertamina (TBD)

TECHNICAL SESSIONS

Listed as of April 26, 2017

Tentative session timetable will be available on <http://www.setc-jsae.com/> in the end of August.**Advanced Combustion**

Organizers: Akihito Kasai (Honda R&D Co., Ltd.), Koji Yoshida (Nihon University), William Attard (Fiat Chrysler Automobiles), Jaal Ghandhi (University of Wisconsin-Madison), Simona Silvia Merola (Istituto Motori-CNR)

	SORE Emission Control in China
20179010	Jia Bin, Qin Jing, Ding Qian Lan, Zhang Shun, Yan Xi Cheng, Liu Peng, Gao Hong Ge, Liu Xu, (Tianjin Internal Combustion Engine Research Institute)
	A Study on Characteristic of Abnormal Combustion in a Supercharged SI Engine
20179050	Shuhei Takahata, Akira Iijima, Hideo Shoji, Kento Shimizu, Takahiro Ishikawa (Nihon University)
	Fuel Economy Development for a CVT Power Train on Roller Chassis Dynamometer and Transfer to Dynamic Engine Testbed
20179064	Christian Manfred Hubmann (AVL List GmbH)
	A Study of Ignition and Combustion Characteristics by Multi-Stage Pulse Discharge using Optically Accessible Engine
20179069	Takuma Furusyo, Kotaro Takeda, Yuki Yoshida, Zhimin Lin, Akira Iijima, Hideo Shoji (Nihon University), Taichiro Tamida, Takashi Hashimoto (Mitsubishi Electric Corporation)
	Group Combustion Excitation in Randomly Distributed Droplet Clouds Based on Flame-spread Characteristics with Two-droplet Interaction in Microgravity
20179077	Herman Saputro (Sebelas Maret University)
	The Possibility for Realization of Dual Combustion Cycle for Spark Ignition Engine
20179091	Koji Yoshida (Nihon University)
	Effects of Spark Discharge Characteristic on Cycle-to-cycle Variations of Combustion for Lean SI Operation with High Tumble Flow
20179111	Kosaku Sasaki, Dongwon Jung, Takeshi Yokomori, Norimasa Iida (Keio University)
	The effect of Combustion Characteristics on Knocking in Lean Burn SI Engine
20179112	Yasunobu Goto, Dongwon Jung, Toshihisa Ueda, Norimasa Iida (Keio University)
	Study on the Suppression of Pressure Wave at Spontaneous Ignition of Gasoline Surrogate Mixture in a Rapid Compression Machine
20179118	Kohei Honda, Yusuke Miyauchi, Yusuke Usami, Ryohei Toyoda, Koki Yoshida, Akira Iijima, Mitsuaki Tanabe (Nihon University)
	Analysis of Pressure Wave Generated by SI Knocking using High Speed Observation of End-gas Autoignition
20179119	Akira Iijima (Nihon University)
	Chemical Reaction Processes of Fuel Reformation by Diesel Piston Compression of Rich Homogeneous Air-Fuel Mixture
20179120	Go Asai (YANMAR Co., Ltd.), Yusuke Watanabe, Shuntaro Ishiguro, Gen Shibata, Hideyuki Ogawa, Yoshimitsu Kobashi (Hokkaido University)

Alternative Fuels

Organizers: Hiroya Ueda(Honda R&D Co., Ltd.), Tohru Nakazono(LEMA / YANMAR Co., Ltd.), Simona Silvia Merola(ISTITUTO MOTORI-CNR), Paul Richards(-), Luca Marchitto(Istituto Motori-CNR), Cinzia Tornatore(NATIONAL RESEARCH COUNCIL)

20179022	Effect of fuel injection pressure on the characteristics of CRDI diesel engine powered by Pine oil blended fuel RAJ KIRAN K , Saravanan Ganapathy , C. Syed Aalam (Annamalai University)
20179026	Lean burn effect on exhaust gas components of small SI-ICE with bio-syngas Masahide Kobayashi , Noboru Hieda(Kanazawa University)
20179054	The Effect of Gasoline-Ethanol Blended on Performance and Emission of a Fuel Injection Motorcycle 115 cc with Automatic Transmission in Indonesia Iman Kartolaksono Reksowardojo, Phonethip Trichanh, Kevin Ferdyanin, Mega Zulfikar Akbar(Institut Teknologi Bandung)
20179063	Extending Lean Operational Limit of Gasoline Direct Injection (GDI) Engine Fuelled with Hydrogen Rich Gas from Plasma Fuel Reformer B PREM ANAND, K Kumara vel, C G Saravanan(Annamalai University)
20179070	Thermodynamic Loss Analysis of a high power motorcycle engine with focus on alcohol blended fuels Stephan Anton Jandl (Graz University of Technology)
20179078	Optical Analysis in Alcohol-Blended Fuels on the Mixture Preparation and Combustion Behaviour of Small Two-Stroke SI Engines Kai Beck, Fabian Titus, Fabian Rauber,Justus Weßling (MOT GmbH)
20179088	An Effect of Bio Diesel Fuel for Low Compression Ratio Diesel Engine Performance Hikaru Yamada, Koji Yoshida(Nihon University)
20179092	Spectroscopic investigation of initial combustion stages in a SI engine fuelled with ethanol and gasoline Simona Silvia Merola , Silvana Di Iorio , Adrian Irimescu , Paolo Sementa , Bianca Maria Vaglieco (ISTITUTO MOTORI)
20179103	Development of a fuel injection strategy for a Diesel engine Fumigated with Ethanol Tripoom – Painrungrot(King Mongkut's Institute of Technology Ladkrabang.)

Collegiate Events

Organizers: Akira Iijima (Nihon University), Takashi Mitome (SUZUKI MOTOR CORPORATION), Geoffrey McCullough (Queen's Univ. of Belfast)

20179087	Clean and Sustainable Energy for Small Urban Car Sangriyadi SETIO, Wiranto Arismunandar, Rudy Ong, Adefrid Dwithama, Stefanus Adrian, Angela Claudia, Jery Octavianus, Nu'man Amri Maliky(Institut Teknologi Bandung)
20179110	An Investigation on the Design and Manufacturing of Powertrain System for Student Formula Japan (SFJ) Vehicle Tomoaki Kodama, Yasuhiro Honda, Yoichiro Takahashi, Liu Chen, Daisuke Kagawa (Kokushikan University)

Diesel Engine

Organizers: Masahiko Sugimoto (Kubota Corporation), Ezio Marcaruso (Istituto Motori-CNR), Luca Marchitto (Istituto Motori-CNR), Brian Callahan (Achates Power, Inc.), Cinzia Tornatore (NATIONAL RESEARCH COUNCIL), Paul Litke (Air Force Research Laboratory)

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- 20179023 **Experimental and Numerical Analyses of Swirl Flow by Helical Grooves on Piston of Diesel Engine Run on Biodiesel**
Prabhakaran P, C.G. Saravanan, K. Raj Kiran, E. James Gunasekaran (Annamalai University)
-
- 20179030 **Effect of heat flux on end of Diesel and Kerosene droplet evaporation in high temperature condition**
Yoshihide Ota, Hiroshi Enomoto, Jun Higashihara, Masahiro Sasao, Noboru Hiede, Yoshikazu Teraoka (Kanazawa University)
-
- 20179032 **Characteristics of Flat-Wall Impinging Spray Flame and Its Heat Transfer under Small Diesel Engine-Like Condition**
Rizal Mahmud, Seong Bum Kim, Keiya Nishida , Yoichi Ogata (University of Hiroshima), Toru Kurisu (University of Hiroshima, Mazda Motor Corporation), Jun Kanzaki, Tadashi Tadokoro (Mazda Motor Corporation)
-
- 20179035 **Influence of pressure conditions in supercritical atmosphere on flame diameter of Diesel oil and Hexadecane droplet**
Takuya Mino, Hiroshi Enomoto, Yoshikazu Teraoka, Noboru Hieda, Masahiro Sasao, Jun Higashihara (Kanazawa University)
-
- 20179046 **Improvement of Thermal Efficiency and Exhaust Emission in Diesel Engine by Applying Spray Internal EGR**
Tomoyuki Mukayama, Ryota Nishigami, Annisa Bhikuning, Eriko Matsumura, Jiro Senda (Doshisha University), Go Asai, Masaki Kuribayashi (YANMAR CO., LTD.)
-
- 20179089 **Development of 2-cylinder Diesel Engine for European quadricycle in compliance with EURO4**
Hiroki Oso (Kubota Corporation)
-
- 20179101 **The Effect of Exhaust Gas Recirculation On Performance And Emission of Ethanol Fumigated Diesel Engine**
Kontom – Thammakul (TAIST - Tokyo tech)
-
- 20179102 **Impact of ethanol blends with bio diesel(B20) on performance combustion characteristics and emissions of a diesel engine**
Surith Dulanjala De Silva (TAIST- Tokyo tech)
-
- 20179105 **Dynamic Modeling of a Diesel Oxidation Catalyst and Diesel Particulate Filter Aftertreatment System for Regeneration Control Development**
Chia-Jui Chiang, T. F. Kuo, Anton Halim (National Taiwan University of Science and Technology), S. C. Cheng, Y.Y. Ku (Automotive Research and Testing Center)
-
- 20179107 **Model-based Analysis of the Oscillatory NOx in Urea Selective Catalytic Reduction Systems**
Chih-Cheng Chou (National Defense University), T. F. Kuo, T. H. Tsai, Y. H. Su (National Taiwan University of Science and Technology), J. H. Lu (National Chung Hsing University), Y. Y. Ku (Automotive Research and Testing Center)
-
- 20179115 **Analysis of Heat Transfer Correlation in a Diesel Engine Based on Heat Flux Measurement using a Rapid Compression and Expansion Machine**
Tatsuya Kuboyama, Yasuo Moriyoshi (Chiba University), Hidenori Kosaka (Tokyo Institute of Technology)
-

Emissions

Organizers: Hiromi Deguchi (SUZUKI MOTOR CORPORATION), Leonid Tartakovsky (Technion-Israel Institute of Technology), Kai Beck(MOT GmbH), Jan Czerwinski (University of Applied Sciences Biel-Bienne), Silvana Di Iorio(Istituto Motori CNR)

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| 20179009 | A theoretical study of interaction between platinum and oxide support for exhaust gas purification catalyst
Kazuya Miura, Toyofumi Tsuda, Akio Hikasa, Hiroyuki Minokoshi, Fumikazu Kimata (SUZUKI MOTOR CORPORATION), Ryo Watanabe, Choji Fukuhara (Shizuoka University) |
| 20179011 | Study of Ion current application for misfire detection in motorcycle application
Lorenzo Mucciarella, Alberto Grimaldi, Francesco Virgili (Eldor Corporation) |
| 20179041 | Current findings in measurement technology and measurement methodology for RDE and fuel consumption for two-wheeler-applications
Johannes Hiesmayr, Stefan Hausberger, Christian Zinner, Patrick Filips, Stephan Schmidt(Graz University of Technology), Roland Wanker, Hubert Friedl(AVL List GmbH) |
| 20179042 | Results, assessment and legislative relevance of RDE and fuel consumption measurements of two-wheeler-applications
Johannes Hiesmayr, Stefan Hausberger, Jürgen Blassnegger, Roland Kirchberger, Christian Zinner, Patrick Filips (Graz University of Technology) |
| 20179076 | Motorcycle Emission Profiles in Bandung City, Indonesia
Adyati P Yudison, Driejana Driejana, Iman K Reksowardojo, Aminudin Sulaeman (Institut Teknologi Bandung) |
| 20179094 | Impact of Biodiesel on Small CI Engine Combustion Behavior and Particle Emission Characteristic
Preechar Karin, Chinda Charoenphonphanich, Jiramed Boonsakda, Park Watanawongskorn, Eakkawut Saenkhumvong (King Mongkut's Institute of Technology Ladkrabang), Nuwong Chollacoop(National Science and Technology Development Agency), Katsunori Hanamura(Tokyo Institute of Technology) |
| 20179126 | A Visualization Study of Soot Production and Oxidation Characteristics Under Diesel Engine Like Conditions
Huynh Thanh Cong, Cong Thanh Huynh(Ho Chi Minh City University of Technology), Akihiko Azetsu, Takahiro Kashima, Daisuke Komasaki, Yuta Saito(Tokai University) |

Environmental Impacts

Organizers: Hiromi Deguchi (SUZUKI MOTOR CORPORATION), Leonid Tartakovsky (Technion-Israel Institute of Technology) ,Kai Beck(MOT GmbH), Jan Czerwinski (University of Applied Sciences Biel-Bienne), Silvana Di Iorio(Istituto Motori-CNR)

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|----------|---|
| 20179016 | Analysis of Fuel Consumption Status of Small Off-road Engines in China
Jing Qin, Bin Jia, Qianlan Ding, Xicheng Yan, Shun Zhan, Peng Liu (Tianjin Internal Combustion Engine Institute) |
| 20179019 | The Air Fuel Ratio analysis of the I/M data of motorcycles in Taiwan
Liao Ren-Chi (National Chung Hsing University) |
| 20179116 | Effect of Coolant Water and Intake Air Temperatures on Thermal Efficiency of Gasoline Engines
Naohiro Hasegawa, Yasuo Moriyoshi, Tatsuya Kuboyama (Chiba university), Mitsuru Iwasaki (Calsonic Kansei Corporation) |

Engine Components

Organizers: Takahito Murase (Kawasaki Heavy Industries, Ltd.), Adrian Irimescu (Istituto Motori-CNR), Luca Marchitto (Istituto Motori-CNR)

20179015 **Improvement Approaches of Throttle Response for High Output Snowmobile Engine with Turbocharger**

YUJI SAKAI, Atsushi Murashima (Yamaha Motor Co., Ltd.)

20179055 **Optimization of Intake Port for Improvement of Fuel Consumption and Torque**
Yota Sakurai, Yoshinori Nakao, Astushi Hisano, Masahito Saitou, Kunihiro Tanaka (Kawasaki Heavy Industries, Ltd.)

20179060 **Study on Helical Vortex Cyclone Air Cleaner Applied to General-Purpose Engine**
Hiroto Takahashi (Honda R&D Co., Ltd. Power Products R&D Center)

20179124 **VAVE design of Antihop Clutch for Motorbikes.**
Ashutosh Padmakar Jahagirdar (Endurance Technologies Ltd.)

Engine Controls

Organizers: Yutaka Nitta (SUZUKI MOTOR CORPORATION), Tobias Kallerhoff (Robert Bosch GmbH), Ken Fosaaen (Kerdea Technologies), Adrian Irimescu (Istituto Motori-CNR)

20179045 **Engine Starting System Simulation based on Air-Fuel Ratio Control**
Yoshihito Itou (Yamaha Motor Co., Ltd.)

20179052 **Research on Misfire Detection Algorithms for Motorcycle Engine Firing at Uneven Intervals**
Katsunori Tasaki (Keihin Corporation)

20179065 **Enhanced Diagnosis for Small Engines**
Riccardo Basso, Hans-Jürgen Schacht, Matthias Rath, Markus Neumayer (Graz University of Technology)

Engine Technology

Organizers: Yuji Araki (Yamaha Motor Co., Ltd.), Akira Iijima (Nihon University), Nagesh S Mavinahally (Meggitt Control Systems), Luca Marchitto (Istituto Motori-CNR)

20179001 **The Development of the Szorenyi Rotary Engine**
Peter D King (Partner)

20179003 **Innovative Carburetor Design with Dynamic Air to Fuel Ratio (AFR) Control for Improved Fuel Economy and Reduced Emissions**
Timothy C Simmons (INI Power Systems)

20179005 **Designing Stratified Combustion System for Gasoline Direct Injection Engine by CFD Software**
Jyun-Wei Chen, Hsin Chieh Chiu, Yong Fu Syu, Yuh Yih Wu (National Taipei University of Technology)

20179007 **Applying EGR System in Turbo-Charged Engine for Range Extender**
Yu Tang Wang, Jie Yin, Yuh Yih Wu (National Taipei University of Technology)

20179129 **Study of a turbocharged engine for motorbike application**
Vincenzo Bevilacqua, Giovanni Corvaglia, Matthias Penzel, Klaus Fuoss (Porsche Engineering Services GmbH)

Fuel Supply Systems

Organizers: Michihisa Nakagawa (Kawasaki Heavy Industries, Ltd.),

Luca Marchitto (Istituto Motori-CNR), Nagesh S. Mavinahally (Meggitt Control Systems)

Application of a New-Concept Gasoline Pump Injector (GPI) on a Motorcycle Engine

20179002 Balasubramanian Nallannan, Jayabalan Sethuraman, Titus Iwaszkiewicz (Stanadyne India Private Limited)

The spray characteristics optimization for compact motorcycle engine using the internal cylinder flow analysis

20179017 Yuzuru Sasaki (Keihin Corporation)

Investigation of Combustion Instabilities in a Port Injected SI Engine Using Flame Visualization

20179058 A. Velavan (Annamalai University)

Effects of Port Injection Specifications on Emission Behavior of THC and Engine Maximum Power

20179059 Yoshinori Nakao (Kawasaki Heavy Industries, Ltd.)

The Way of Suppressing Self-excited Vibration in Small Pressure Regulator for Small Motorcycles

20179131 Takashi Yokoo, Takeshi Enomoto, Masaki Morita (AISAN INDUSTRY CO., LTD.)

HCCI

Organizers: Tatsuya Kuboyama (Chiba University), Tomoo Shiozaki (Honda R&D Co., Ltd.), William Attard (Fiat Chrysler Automobiles), Jaal Ghandhi (University of Wisconsin-Madison), Ezio Mancaruso (Istituto Motori-CNR)

The Effect of In-Cylinder Flow and Mixture Distributions on Combustion Characteristics in a HCCI Engine

20179061 Shogo Watanabe, Tatsuya Kuboyama, Yasuo Moriyoshi (Chiba University), Kei Yoshimura (SUZUKI MOTOR CORPORATION)

Numerical Investigations of the Operation Boundaries of a Natural Gas Fueled HCCI Engine

20179073 Jörn Judith, Denis Neher, Maurice Kettner (Karlsruhe University of Applied Sciences), Darko Kozarac (Faculty of Mech. Eng. and Naval Arch), Markus Klaisle (SenerTec Kraft-Wärme-Energiesysteme GmbH)

A Study of Combustion in an HCCI Engine Assisted by Non-Equilibrium Plasma Discharge

20179084 Hyota Hoshino (Nihon University)

Analysis of Supercharged HCCI Combustion using Low-carbon Alternative Fuels

20179085 Masaaki Togawa, Yuki Takamura, Keito Agui, Takeshi Nishiyama, Akira Iijima, Hideo Shoji (Nihon University)

Influence of Engine Speed on Autoignition and Combustion Characteristics in a Supercharged HCCI Engine

20179090 Hiroto Tanaka, Tatsuya Sato, Shuntaro Takano, Yuya Motoki, Hyota Hoshino, Yuya Higuchi, Akira Iijima, Hideo Shoji (Nihon University)

Effect of Fuel Injection Parameters on Performance and Emission Characteristics of a HCCI Engine - A CFD Study

20179096 Guru Kiran H.R, J M Mallikarjun (Indian Institute of Technology, Madras)

20179106	Dynamic Modeling of a Homogeneous Charge Compression Ignition Engine with Exhaust Throttle Chia-Jui Chiang, J. W. Wu, T. F. Kuo, Kenny Purnomo (National Taiwan University of Science and Technology)
20179128	Experimental Investigation on Widen the HCCI Regime in a Small Engine by Means of Compression Ratio and EGR Variants Le Anh Tuan (Hanoi University of Science and Technology), Ha Thi Khuong (University of Transport and Communications)

Hybrids, Electric Drives, and Fuel Cells

Organizers: Yasuyuki Muramatsu (Yamaha Motor Co., Ltd.), Glenn Bower (University of Wisconsin-Madison), Jay Meldrum (Michigan Tech)

20179039	Development of New Compact Hybrid System Satoshi Itoh, Michiyasu Yamamoto (SUZUKI MOTOR CORPORATION)
20179062	Assessment of Hybrid Two-Wheeler for Mobility in Emerging Markets beyond 2020 Pradeep Ramachandra, Manohar Halahali, Prashanth Anantha (Bosch Limited)
20179079	Study on Appropriate Cooling System According to the Output of the Motor and Inverter for Small EV Tsukasa Shimizu, Jin Ito, Hideki Shirazawa, Yasuyuki Muramatsu (Yamaha Motor Co.,Ltd.)
20179104	Development of a Dynamic Lifetime Prediction Model for Ultracapacitors based on Accelerated Aging Tests Chia-Jui Chiang, T. F. Kuo, Weiliem Abubakar, G. Lee, W. R. Huang (National Taiwan University of Science and Technology)

Lubricants

Organizers: Tohru Nakazono(LEMA / YANMAR Co., Ltd.) ,Michael Marcella(Maxima Racing Oils)

20179008	Delivering Fuel Economy with Motorcycle Oil Additive Technology Pei Yi Lim (Infineum Singapore Pte Ltd) ,Anne Young (Infineum USA LP), Youhei Inagaki(Infineum Japan Ltd)
20179012	The influence of friction modifiers in fully formulated motorcycle oils on steel-steel and clutch-steel contacts using a benchtop testing method. Gareth Moody, David Gillespie, John Eastwood (Croda Lubricants)
20179031	Evaluation of Bio Lubricants for Two Stroke Motorcycle Engines Jiun Chin Chen, Jau Huai Lu(National Chung - Hsing University), Yong Yuan Ku (Automotive Research and Testing Center)
20179095	Effect of Biofuel and Soot on Metal Wear Characteristic using Electron Microscopy and 3D Image Processing Preechar Karin (King Mongkut's Institute of Technology Ladkrabang), Katsunori Hanamura(Tokyo Institute of Technology), Warawut Amornprapa, Phiranat Khamsrisuk (International College, King Mongkut's Institute of Technology Ladkrabang), Kobsak Sriprapha(National Electronics and Computer Technology Center, NSTDA), Pol-ake Budsayahem , Pattara Chammana (Kingmongkut's Institute of Technology Ladkrabang)

Materials

Organizers: Hirotaka Kurita (Yamaha Motor Co., Ltd.), Aki Kodai (Kawasaki Heavy Industries, Ltd.), David Palmer (Bombardier Recreational Product Inc.), Mark Degler (Mercury Marine)

20179006 **The effect of tempering conditions for the delayed fracture characteristics of carburized steels**

Yoichi Inoue, Toshiya Ohta, Hirotaka Kurita (Yamaha Motor Co., Ltd.)

20179021 **INTER-PLY HYBRID COMPOSITE BASALT-GLASS WOVEN FABRICS REINFORCED LIGHTWEIGHT MATERIALS FOR VEHICLE STRUCTURES**

I.D.G Ary Subagia (Udayana University (UNUD)), A. Herman Yuwono (Universitas Indonesia), Kim Yonjig (Chonbuk National University)

20179056 **Development of Low Cost Aluminum Tapered Handlebar for Motorcycles**

Hirotoshi Inui (Honda R&D Co., Ltd.)

20179125 **THIN WALL AUSTEMPERED DUCTILE IRON CONNECTING ROD FOR LIGHTER AUTOMOTIVE COMPONENT**

Rianti Dewi Sulamet-Ariobimo, Gregah Yudha (Universitas Trisakti)

Measurement & Simulation

Organizers: Tadao Okazaki (Kubota Corporation), Hisayuki Sugita (SUZUKI MOTOR CORPORATION), Simona Silvia Merola (Istituto Motori -CNR), Adrian Irimescu (Istituto Motori -CNR), Stephan Schmidt (Graz University of Technology), Giovanni Ferrera (University of Florence)

20179020 **Measurement and 3D simulation for Analysis of Emission Improvement in Oil-cooled Engine**

Koichi Tanaka, Kunio Arase, Amame Kitayama, Toru Shimizu, Akihisa Shimura (SUZUKI MOTOR CORPORATION)

20179027 **Numerical transient thermal analysis of cylinder head and valve within a 400cc engine**

Chien-Hsiung Tsai, Wei-Chun Chang (National Pingtung University of Science and Technology), Hui-Hui Huang (Aeon Motor Company)

20179028 **Numerical modeling of heat dissipation inside the continuously variable transmission of a 400cc scooter**

Hui Hui Huang (Aeon Motor Company), Ta Wei He, Hsiung Chien Tsai (National Pingtung University of Science and Technology)

20179036 **Development of a new comprehensive CFD method for thermal performance evaluation of a scooter type motorcycle and its application**

Venkata Suresh Kumar Gundavarapu, Manish Garg (TVS Motor Company Limited)

20179038 **A Model Based Approach for generating pre-calibration data for Two-Wheelers**

Rose Mary Simon Palackal, Karthikeyan Ramachandran (Robert Bosch Engineering And Business Solns Pvt Ltd), Balagovind Nandakumar Kartha, Pramod Reddemreddy (Bosch Limited), Srikanth Vijaykumar (Robert Bosch LLC)

20179044 **A methodology for the experimental measurement of the instantaneous turbocharger speed in internal combustion engines**

Michele Becciani, Luca Romani, Giovanni Vichi, Giovanni Ferrara (University of Florence)

20179047 **Indirect time-resolved visualization of propagating flame on methane-oxygen mixture by densely installed multiple ion-probes**

Tomoaki Yatsufusa, Keigo Kii, Kentaro Takatani, Shinsuke Miyata (Hiroshima Institute of Technology)

20179048	Precise measurement of propagating flame in 2-stroke gasoline engine by multiple ion-probes Tomoaki Yatsufusa, Kentaro Takatani, Keigo Kii, Shinsuke Miyata (Hiroshima Institute of Technology)
20179067	A 3D-CFD Study of Flow Dynamics on Mixture Preparation for Fuel Injected Motorcycles Ranjana Kumari Meena, Adwitiya Dube, Pradeep Ramachandra (Bosch Limited)
20179071	Simulation based optimization of a motorcycle drivetrain by the integration of a novel continuously variable planetary transmission Juergen Tromayer, Michael Gaber (Graz University of Technology) , Scott McBroom, Fern Thomassy (Fallbrook Technologies Inc.)
20179074	Comparison of Optimal & Real-time Operation Strategy for a Hybrid Motorcycle Paul Rieger, Bernhard Schweighofer, Hannes Wegleiter, Christian Zinner, Stephan Schmidt (Graz University of Technology)
20179080	Automated Calibration to Optimize Development Time, Effort and Quality of Engine Management Systems Bijith Thiruvappallil Gangadharan Pillai, Pramod Reddemreddy (Bosch Limited)
20179097	Modeling of Unsteady Heat Transfer Phenomena at the Intake Manifold of a Diesel Engine and Its Application to 1-D Engine Simulation Mitsuhsa Ichianagi, Emir Yilmaz, Hayao Joji, Takashi Suzuki (Sophia University)
20179109	Effect of Injector Nozzle Hole Orientation on Mixture Preparation in a GDI Engine – A CFD Analysis Yashas Karaya, Krishna AS, Mallikarjuna JM (Indian Institute of Technology Madras, Chennai)
20179113	Instantaneous Surface Temperature Measurement in Engine Combustion Using Newly Developed Coaxial Type Thin-film Temperature Sensor Daijiro ishii, Hiromi Saito, Yuji Mihara, Yasuo Takagi (Tokyo City University)
20179114	Solar Powered Vehicle Ventilation System Pujitha Padmal Abesing Kodippily (King Mongkut Institute of Technology Ladkrabang), Kobsak Sriprapha (Solar Energy Technology Laboratory, NSTDA)
20179117	The Development of the XiL Testbed for Hybrid Powertrain MING-YEN CHEN (National Taiwan University)
20179130	Knock tendency prediction in highly charged SI engines by the use of 3D-CFD simulation Vincenzo Bevilacqua, Giovanni Corvaglia, Matthias Boeger, Matthias Penzel, Klaus Fuoss (Porsche Engineering Services GmbH)

NVH Technology

Organizers: Hiroshi Yano (Kawasaki Heavy Industries, Ltd.), Thomas Lagö (QirraSound Technologies Europe AB)

20179034	Active Sound Quality Control based on Subjective Preference Shunsuke Ishimitsu, Takuma Sagawa, Tomoki Ito, Naoaki Shimatani (Hiroshima City University), Toshihisa Takagi, Kazuki Yoshida, Kenta Suzuki, Takanori Chino (SUZUKI MOTOR CORPORATION)
20179066	Design and Performance of Acoustic Metamaterial for Inlet Duct Noise Attenuation Jüri Lavrentjev, Hans Rämmal (Tallinn University of Technology)

	Parallel active control of acceleration sound
20179068	Yoshihiro Aramaki, Shunsuke Ishimitsu, Kenta Murai (Hiroshima City University), Kazuki Yoshida, Toshihisa Takaki, Takanori Chino, Kenta Suzuki (SUZUKI MOTOR CORPORATION)
20179075	Reliability Study of Micro-Perforated Elements in Small Engine Silencer Applications Hans Rämmal, Jüri Lavrentjev, Fabio Auriemma (Tallinn University of Technology)

Two Stroke Engine

Organizers: Tomoo Shiozaki (Honda R&D Co., Ltd.), Brian Callahan (Achates Power, Inc.), Pierre Duret (IFP School), Giovanni Ferrara (University of Florence)

20179029	A Study of the Control Space for Knock Mitigation in 28, 55, and 85 cm³ Displacement, Two-Stroke, Spark-Ignition Engines Joseph K. Ausserer (Air Force Test Pilot School), Paul J. Litke (Air Force Research Laboratory)
20179037	Analysis of SI and HCCI Combustion in a Two-Stroke Opposed-Piston Free-Piston Engine Stephan Schneider, Horst Friedrich (German Aerospace Center), Marco Chiodi, Michael Bargende (FKFS Research Institute of Automotive Engineering and Vehicle Engines Stuttgart)
20179040	Fine Tuning of a Sequential Injection Strategy for a Two-Stroke LPDI Engine Luca Romani, Giovanni Ferrara, Francesco Balduzzi, Giovanni Vichi (University of Florence)
20179043	Practicability and Influencing Factors of a Lean Burn Mode for Two-Stroke Engines in Hand-Held Powertools Pascal Richard Piecha (Institute of Internal Combustion Engines), Stephan Schmidt, Roland Kirchberger (Graz University of Technology)
20179082	Potential of a Production DI Two-Stroke Engine Adapted for Range Extender and Motorcycle Applications Pierre Duret (IFP School), Stéphane Venturi, Antonio Sciarretta (IFP Energies Nouvelles), Nigel Foxhall, Walter Hinterberger (BRP-Rotax)
20179121	Development of a G.D.I. 2-Stroke Engine Focused for a Range-Extender Application Patrizio Nuccio, Daniele De Donno, Andrea Magno (Politecnico di Torino)
20179127	Study of cold start and idle strategies for emission reduction of 2-cylinder two-stroke engines Franz Winkler, Roland Oswald, Roland Kirchberger (Graz University of Technology)

Vehicle Dynamics and Safety

Organizers: Hisayuki Sugita (SUZUKI MOTOR CORPORATION), Masayuki Baba (Honda R&D Co., Ltd.), Derek Cleasby (Bosch Engineering GmbH)

20179004	Fundamental study of cornering limit characteristics during braking and driving Hideki Sakai (Kindai University)
20179018	The tire characteristic effect in the motorcycle maneuverability using a riding simulator Masayuki Miki, Tetsuya Kimura (Yamaha Motor Co., Ltd.)
20179033	Data Analysis of Off-Road Motorcycle in Enduro Race Akinori Shinagawa, Hisayuki Nozawa (Yamaha Motor Co., Ltd.) , Yutaro Uchiyama (Yamaha Motor Engineering Co., Ltd.)

20179053	Investigation and Model-Based Compensation of the Pitch Dynamic Impact on Longitudinal Acceleration Measurement on Motorcycles Alexander Winkler, Gernot Grabmair (Upper Austrian University of Applied Sciences, Wels Campus)
20179086	Development of Low Fuel Consumption Tire for Small Motorcycles Shinji Takayanagi, Tomoyuki Matsumura, Kiyotaka Sakai, Kenji Tanaka, Takashi Iwasa, Shigehiro Yamaguchi (Honda R&D Co., Ltd.)
20179093	Modeling, Simulation and Validation of 12 DOF Three-Wheeled Vehicle Dumpala Gangi Reddy (TVS Motor Company), R Krishna Kumar (Indian Institute of Technology, Madras)
20179099	Durability Prediction of Motorcycle Body Components Using Advanced Fatigue Analysis Kazunobu Sakamoto (Yamaha Motor Co.,Ltd.)

Vehicle Components

Organizers: Hisayuki Sugita (SUZUKI MOTOR CORPORATION), Masayuki Baba (Honda R&D Co., Ltd.), Robert Kee (Queen's University Belfast)

20179049	Development of Titanium Fuel Tank Applied for Mass-production Motocrossers Kohei Hirano, Yuki Chihara (Honda R&D Co., Ltd.)
20179081	Technology to improve fuel economy in continuously variable transmission systems Prashansa Satapathy, Pramod Reddemreddy, Aswathi Subramanian, Yuvaraja Chinnamookkaiyan, Bijith Thiruvappallil Gangadharan Pillai, Srikanth Kotichintala (BOSCH Limited)
20179123	Design of Motorcycle Front Fork for Impact Loads Girish Raghunath Kokane, Dinesh Sriram Kalani, Ravindra Vyankatrao Kharul, Muragendra Shivapra Magadam (Endurance Technologies Ltd)

Functional Safety

Organizers: Takashi Mitome (SUZUKI MOTOR CORPORATION), Thomas Lagö (QirraSound Technologies Europe AB)

20179057	ISO 26262 C Class Evaluation Method for Motorcycles by Expert Riders Incorporating Technical Knowledge Obtained from Actual Running Tests Maki Kawakoshi, Takashi Kobayashi, Makoto Hasegawa (Japan Automobile Research Institute)
20179083	Detailed Study of Hazard Analysis and Risk Assessment of ISO 26262 for Motorcycles Makoto Hasegawa, Takanobu Kaneko (Japan Automobile Research Institute)
20179122	Establishment of standard essential patent norms for two wheeler safety systems such as ABS Soumya Prakash Patra, Ravindra Vynkatrao Kharul (Endurance Technologies Limited)

KEY SPEAKER IN CLOSING CEREMONY

Speaker



Ir. Airlangga Hartarto,
MBA, MMT.

*Minister of Industry
of the Republic of
Indonesia*

Career:

- Jul 27, 2016 – present : **Minister of Industry, Republic of Indonesia**
- 2005 – 2014 President, Indonesian Public Listed Companies Association (AEI)
- 2009 – 2014 Advisory Board, Gajah Mada Alumni Association (KAGAMA)
- 2009 – 2014 Head of Commission VI, House of Representative, Republic of Indonesia
- 2006 – 2009 Head of Commission VII, House of Representative, Republic of Indonesia
- 2006 – 2009 President, The Institution of Engineers Indonesia (PII)
- 2005 Secretary General, Asean Federation of Engineering Organisations
- 2002 – 2012 Vice President, Gajah Mada Alumni Association (KAGAMA)

Education:

- 1987 Mechanical Engineering – Gajah Mada University
- 1996 MBA – Monash University, Australia
- 1997 MMT – University of Melbourne

AIRPORT INFORMATION

If you fly to Jakarta using international airline, you will arrive in Terminal 2 or 3 of Soekarno-Hatta International Airport. The airport is located on Cengkareng, a district northwest of the city.

Soekarno-Hatta International Airport: <http://soekarnohatta-airport.co.id/>

Jakarta Airport Guide: www.jakartaairportonline.com/

TRANSPORTATION FROM AIRPORT

The distance from the airport to the venue at Jakarta Convention Center (JCC) is about 20 km with an estimated travel time of one to two hours depending on traffic condition. There are several ways that you can get from the airport to the JCC: by taxi, rental car, Uber or Grab, DAMRI shuttle bus.

However, it is recommended to simply take a taxi since it is the easiest and most convenient way. Several Taxi companies operate at Jakarta airport, including Blue Bird, Pusaka, Express, Silver Bird, and Golden Bird:

- Blue Bird and Pusaka taxis are blue and Express taxis are white. They provide basic taxi service from a reliable company.
- Silver Bird taxis are black and provide premium taxi service at slightly higher rates.
- Golden Bird is a limousine service.

Taxi counters are located on the Arrivals level right after customs. A ride to the JCC or downtown Jakarta with regular taxi should cost about Rp 200,000 including toll fares.

VISA APPLICATION

Visitors to Indonesia must obtain a visa from one of the Indonesian diplomatic missions unless they come from one of the visa exempt countries or one of the countries eligible for visa on arrival. All visitors entering Indonesia must hold a passport valid for 6 months, even those with visa free access.

Nationals holding a Regular, Diplomatic and Service passport from the following 169 countries and territories are eligible to enter and remain in Indonesia without a visa for 30 days for attending conference and tourism purposes:

Albania	Herzegovina	Denmark	Hungary	Madagascar	Norway	Serbia	Timor-Leste
Algeria	Botswana	Dominican Republic	Iceland	Malawi	Oman	Seychelles	Togo
Andorra	Brazil	Ecuador	India	Malaysia	Palau	Singapore	Tonga
Angola	Brunei	Egypt	Ireland	Maldives	Palestine	Slovakia	Trinidad & Tobago
Antigua and Barbuda	Bulgaria	El Salvador	Italy	Mali	Panama	Slovenia	Tunisia
Argentina	Burkina Faso	Estonia	Jamaica	Malta	Papua New Guinea	Solomon Island	Turkey
Armenia	Burundi	Fiji	Japan	Marshall Islands	Paraguay	South Africa	Turkmenistan
Australia	Cambodia	France	Jordan	Mauritania	Peru	South Korea	Tuvalu
Austria	Canada	Gabon	Kazakhstan	Mauritius	Philippines	Spain	Uganda
Azerbaijan	Cape Verde	Gambia	Kenya	Mexico	Poland	Sri Lanka	Ukraine
Bahamas	Chad	Georgia	Kiribati	Moldova	Portugal	St Kitts and Nevis	United Arab Emirates
Bahrain	Chile	Germany	Kuwait	Monaco	Puerto Rico	St Lucia	United Kingdom
Bangladesh	China	Ghana	Kyrgyzstan	Mongolia	Qatar	St Vincent and the Grenadines	Uruguay
Barbados	Commonwealth of Dominica	Greece	Laos	Morocco	Romania	Suriname	USA
Belarus	Comoros	Guatemala	Latvia	Mozambique	Russia	Swaziland	Uzbekistan
Belgium	Costa Rica	Guyana	Lebanon	Myanmar	Rwanda	Sweden	Vanuatu
Belize	Cote D'Ivoire	Haiti	Lesotho	Namibia	Samoa	Switzerland	Vatican City
Benin	Croatia	Honduras	Liechtenstein	Nauru	San Marino	Taiwan	Venezuela
Bhutan	Cuba	Macao SAR	Lithuania	Nepal	Sao Tome and Principe	Tajikistan	Vietnam
Bolivia	Cyprus	Macedonia	Luxembourg	Netherlands	Saudi Arabia	Tanzania	Zambia
Bosnia and Herzegovina	Czech Republic		Hong Kong SAR	New Zealand	Senegal	Thailand	Zimbabwe

Free Visit Visa is given to travelers visiting Indonesia for the purpose mentioned above for a maximum stay of 30 days which cannot be extended or converted to any other type of Stay Permit. Free Visit Visa entry stamp can only be obtained at major international airports and seaports in Indonesia. In order to be eligible for this free visit visa, all visitors must hold passport valid for more than 6 months and have exit airline ticket within 30 days from the date of arrival.

For visitors who would like to extend their stay in Indonesia for more than 30 days, it is recommended to apply for Visa on Arrival (VOA) at designated airports or seaports. VOA is valid for 30 days and may be extended once for another 30 days. VOA application fee is US \$35.00. In order to obtain the VOA, travelers usually have to go to the designated VOA counter in the airport and pay for the application fee (cash only) and have their passport entry stamp, then to another counter to receive the counterfoil visa (visa sticker) in the passport and then to the Immigration Checkpoint. VOA is at the discretion of the Immigration Office at the time of arrival at the airport in Indonesia.

For further information about visa application in Indonesia, please visit <http://www.imigrasi.go.id/index.php/en>

World Class *Jakarta*

Jakarta, the capital of Indonesia, provides among its skyscrapers, world class hotels and restaurants, prime convention and exhibition halls, giant shopping malls and a plethora of leisure activities for the entire family. For history enthusiasts, you can learn more about the history of Jakarta by visiting Kota Tua or the Jakarta Old Town, which used to be called the Old Batavia, built by the Dutch East India Company in 1619. Kota Tua is preserved and revitalized as a heritage site with many historical buildings such as the Jakarta History Museum and the Indonesian Central Bank Museum. As a global city, Jakarta offers various dishes from around the world, fine dining restaurants to street food stalls. It is a must to try mouth-watering dishes from Indonesia such as Rendang, Soto, Satay



and Indonesian Fried Rice. International food, Chinese, Indian, European, American or Middle Eastern are easily found across Jakarta. For those who prefer the outdoor, Jakarta has the Thousand Islands, an hour boat-ride away to a location perfect for swimming, fishing and diving. You can also ride the train or taxi to Bogor and

Bandung, two cities of the neighbouring province of West Java, to relax and enjoy the highlands of West Java. Tourists can play golf or try paragliding, caving and rafting. So, whether you come for business or leisure, Jakarta promises an array of activities to enjoy. Experience Dynamic Jakarta.



JAKARTA HISTORY MUSEUM

Jakarta History Museum is located in the historic Old Jakarta Kota area. The museum displays the history of the development of the City of Jakarta, both the events and the community, from the prehistory until these present days. This museum is located in a building of cultural property which in the past known as Stadhuis, the City Hall of Batavia. As written on an inscription of the Museum collection, the building was construct-

ed in 1707 by the city government of Batavia during the period of VOC and Governor General Abraham van Riebeeck inaugurated it in 1710. This building is located in front of a park, which in the past was known as Stadhuisplein, the City Hall Park, and now it is called Taman Fatahillah. The Museum of History of Jakarta was inaugurated on 30 March 1974 for being the center for collection, conservation and research for all kinds of objects of cultural

property related to the history of the City of Jakarta and at the same time becomes a center for education, study and recreation for the community. Due the very long course of the history of Jakarta, the collection of this Museum are highly varied in shape and consist of objects being the heritage of the prehistoric period until the beginning of the 20th century.

www.indonesia-tourism.com/jakarta/jakarta-history-museum.html



SUNDA KELAPA HARBOR

Sunda Kelapa, better known as Pasar Ikan (meaning fish market) is located at the mouth of the Ciliwung River. The fish catch of the day was auctioned in the early morning at the old fish market. It was formerly the harbor town of Sunda Kelapa where the Portuguese traded with the Hindu Kingdom of Pajajaran in the early 16th century. Dutch domination of Jakarta and the

rest of Indonesia began from this area, whereas the remnants of Kasteel Batavia, an old fort and trading post of the Dutch East Indies Company can still be seen now. Wander around the old Sunda Kelapa port, hire a dugout canoe and paddlers and enjoy the waterside scenery. The boats also go to the nearby old fish market, which

can be reached easily by foot from the port and is free to enter. Work starts here at 3am and it's essential to arrive by 6am to see the best of the action.

Website: <http://www.indonesia-tourism.com/jakarta/sunda-kelapa.html>

NATIONAL MONUMENT

National Monument, or "Monas" as it is popularly called, is one of the monuments built during the Sukarno (the first president of Indonesia) era of fierce nationalism. The top of the National Monument (Monas) is Freedom Square. It stands for the people's determination to achieve freedom and the crowning of their efforts in the Proclamation of Independence in August 1945. The 137-meter tall marble obelisk is topped with a flame coated with 35kg of gold. The base houses a historical museum and a hall for meditations. The monument houses a couple of museums. The Freedom Hall depicts Indonesia's struggle for independence through a series of dioramas, whereas the Hall of Contemplation displays the original Declaration of Independence document and a recording of the speech. An elevator takes one to the observation platform, which commands a bird's-eye view of the cityscape. This monument opens everyday from 7 am to 12 am.

Website: <http://www.indonesia-tourism.com/jakarta/monas.html>



NATIONAL MUSEUM

National Museum is situated on Merdeka Barat Street. Currently, the National Museum houses collections of 109,342 objects under the categories of prehistory, archaeology, ethnography, numismatics-heraldic, geography and historical relics. The new building in 1994, comprises an arena for theatrical performances and more spaces for exhibitions. The museum curators provide detailed information and guidance on collections-related subjects during working hours. The daily activities at the National Museum include collecting, caring for and protecting collections and providing information on the museum and its collections to visitors and the public at large. The Indonesian



Heritage Society (IHS) voluntarily assists the museum in handling the inventory of the collections. This Museum is open from 8 am to 4 pm on Tuesday, Wednesday, Thursday, Friday and from 8 am to 5 pm on Sat-

urday and Sunday. The Museum is closed on Monday and Public Holidays.

Official Website: <https://museumnasional.or.id/>



TAMAN MINI INDONESIA INDAH

Taman Mini Indonesia Indah (Beautiful Indonesia in Miniature Park) is Indonesia's answer to every visitor's prayer to see

the magnificent archipelago in just one day. It represents Indonesia's formerly 27 provinces and their outstanding characteristics, reflected most strikingly

in the exact regional architecture of the province. The All Indonesian islands are realistically reproduced in miniature in a central lake, and around the lakes there are pavilions which are representative of each province from the traditional architectural style in miniature to a wonderful display of cultural items and exhibits. There is also a fauna museum, orchid garden in which hundreds of Indonesian orchid varieties are grown, and recreational grounds with a swimming pool and restaurants. The special interest here at Taman Mini is the Museum Indonesia. A richly decorated building in Balinese architec-



ture, it houses contemporary arts, crafts and traditional costumes from the different regions of the country. Cultural performances, events, and even local delicacies from the provinces are prepared regularly, especially during weekends and holidays, to showcase Indonesia's rich cultural heritage. The park is open seven days a week, and if a day tour is not enough, visitors can spend the night at the 'Desa Wisata' or 'Wisata Remaja' serviced accommodations.

Official Website: www.tamanmini.com/

JAYA ANCOL DREAMLAND

Taman Impian Jaya Ancol, an amusement park in north Jakarta, is one of the most attractive places serving the densely populated city of Jakarta. It has all the adventures people crave for; Sea World, Fantasy World, Atlantis Water Adventure and Marina Beach. It is built on reclaimed beach land at the Bay of Jakarta, having, sea and freshwater aquariums, swimming pools, an artificial lagoon for fishing, boating, bowling arena, an assortment of nightclubs and restaurants. Inside the Ancol Dreamland, there is Ancol Art Market (Pasar Seni), an outdoor art market where we will be tempted to purchase items that include antiques, handicrafts, painting, potters, and knickknacks. Art performances





are frequently held at the Art Market inside the Jaya Ancol Dreamland. They normally range from Wayang Kulit (shadow puppets) to folk dances and modern theatrical performances. This loca-



tion is open Monday to Sunday, 10 am to 8 pm. Official Website: <https://www.ancol.com/id/destinasi/pasar-seni>

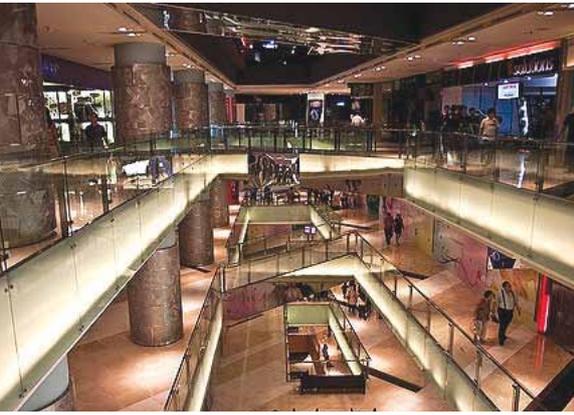
PLAZA INDONESIA

Plaza Indonesia Shopping Center opened on a site of 38,050 m² at the junction of Jalan M.H. Thamrin and Jalan Kebon Kacang Raya, at the heart of Jakarta's business district. The retail extension has an entrance on Jalan M.H. Thamrin providing access from Jakarta's central avenues, Jalan M.H. Thamrin and Jalan Sudirman. The extension also provides 5 levels of underground parking. Plaza Indonesia houses luxurious brands, such as Hermés, Louis Vuitton, Celine, Chanel, Coach, Dior, Gucci, Givenchy, Kenzo, DKNY, Longchamp, Bottega Veneta, Giuseppe Zanotti, Jimmy Choo, TOD'S, Valentino, Versace, Etro, Fendi, Furla, Balenciaga, Saint Laurent Paris, Lanvin, Marc by Marc Jacobs,



Mulberry, MaxMara, Burberry, Stella McCartney, Ermenegildo Zegna, Diane von Fürstenberg, Emporio Armani, Giorgio Armani, Canali, Aigner, Hugo Boss, Loewe, Brioni, Salvatore Ferragamo, Christian Louboutin, Cartier, BCBG Max Azria, Bvlgari, Tiffany & Co and Rolex. Most luxury and international brands have launched their first Indonesian store in Plaza Indonesia, and many of these brands are tenants since the shopping center's opening in 1990. For further information, please visit the official website of Plaza Indonesia: www.plazaindonesia.com





GRAND INDONESIA

Grand Indonesia is a successful premium mall that offers an International shopping experience and wide range of fashion apparels, restaurants and entertainment choices. Grand Indonesia consists of East Mall and West Mall linked by the Skybridge with total area of 263,226 square meters and 141,472 leasable floor space. Major shopping attractions include Seibu Department Store, Uniqlo, Blitz Megaplex with its 11 auditoriums, and Thailand's well-known department store, Central. Visitors can also check out other specialized stores such as Alun-Alun Indonesia, Gramedia, Ace Home Center,



MUJI, Forever21, Cotton On and the flagship store of H&M in Indonesia. Zara has also opened new mega-store recently which becomes the biggest Zara store in Southeast Asia. There are a number of well-known international fashion brands that have joined Grand Indonesia for instance Oakley, Bebe, GAP, Pull & Bear, Levi's, Mothercare, ELC etc. We have also been chosen to be the location of the first store for Justice, a famous American tween brand and Dr. Marten, a British renowned

footwear. And with a total number of more than a hundred F&B tenants, customers will never run out of choices of place to eat, from Paulaner Brauhaus - a Bavaria's biggest brewer and Jakarta's only micro-brewery, Mad Garlic and Social House, with the recently opened Publik Markette, Nomz, Union Deli and Benedict.

For further information, please visit the official website of Grand Indonesia: <http://www.grand-indonesia.com/>



GELORA BUNG KARNO

This large sport complex stood proudly at the heart of Senayan area. This complex with an area of 284.2 acres was built to host the 1962 Asian Games. The sport facilities available are the main football stadium, sport hall, multifunction hall (Istora Senayan), tennis stadium and swimming stadium. Multiple international sporting events such as Sea Games, Asian Games, Thomas Cup and Uber Cup were held in this sport complex. Official Website:

<http://www.gelorabungkarno.co.id/>



PULAU SERIBU (THOUSAND ISLANDS)

Thousand Islands, which is located about one hour boat-ride away from Jakarta, has been a favorite destination for many years. Paradiso, containing four islands, Kahyangan (formerly known as Cipir), Bidadari (used to be called Sakit), Onrust and Kelor, offer spectacular views of forest and sea. The name Paradiso indeed comes from Paradise, for 'Kahyangan' in Indonesian means 'Heaven' in English, and 'Bidadari' means 'Angel'. Dotted throughout Jakarta Bay are 120 tropical islands and coral atolls known, rather misleadingly, as the Thousand Islands. This group of islands in the Jakarta Bay offers a heaven away from the bustle of city life. Some of the islands developed for tourism are Pulau Bidadari, Pulau Anyer, Pulau Laki and Pulau Putri. Pulau Tanjung near Putri has an airstrip. There are cabins for hire only on Pulau Air and Pulau Bidadari. The Pulau Putri Paradise Co. has developed Pulau Putri, Pulau Melintang, Pulau Petondan and Pulau Papa Theo as a holiday resort with cottages, restaurants, diving and sailing facilities. The departure point to this cluster of individual paradises is the Ancol Marina, where further information on travel arrangements can be found. Website: <http://www.indonesia-tourism.com/jakarta/thousand-island.html>



Recommended Hotels

Sultan Hotel	Century Park Hotel	Ritz-Carlton Jakarta, Pacific Place	Fairmont Jakarta	Mulia Senayan Hotel	Harris Suite FX
Star : ★★★★★ www.sultanjakarta.com Distance From JCC : 450 m Reached By : Walking	Star : ★★★★★ www.atletcentury.com Distance From JCC : 2 km Reached By : Taxi	Star : ★★★★★ www.ritzcarlton.com/en/hotels/indonesia/jakarta-pacific-place Distance From JCC : 2.2 km Reached By : Taxi	Star : ★★★★★ www.fairmont.com/jakarta Distance From JCC : 3.2 km Reached By : Taxi	Star : ★★★★★ www.themulia.com/jakarta-hotel Distance From JCC : 5.8 km Reached By : Taxi	Star : ★★★ fx-jakarta.harrishotels.com Distance From JCC : 1.9 km Reached By : Taxi

Public Transportation

TRANSJAKARTA BUSWAY

TransJakarta is the first Bus Rapid Transit (BRT) transportation system in South East Asian which operating since 2004 in Jakarta, Indonesia. TransJakarta has the longest route in the world (208 km), and has 228 stops which spread over 12 corridors. TransJakarta initially operates from 5AM until 10PM, but now its operate 24 hours (for some corridors).

Fare : Get in to the station :
5AM – 7AM : Rp 2,000.-
7AM – 10PM : Rp 3,500.-
E-Ticketing only; no cash

For further information about TransJakarta and the route, please visit: <http://transjakarta.co.id/>

TAXI

Blue Bird Group

With reputation for the highest standards in taxi services, with The All New Toyota Limo and Nissan Almera as standard vehicles, the Blue Bird taxis cater millions passengers all over Indonesia each month.

Silver Bird

The Silver Bird is a premium taxi by BlueBird Group. This lineup of executive taxis, known through its characteristic black and stylish sedan and van to give a new meaning of executive transportation. Silver Bird fleet employs Mercedes Benz C200 CGI & C230 elg & E200 CGI & E200 K, Toyota Vellfire, Toyota Alphard & Toyota Camry Altise.

Express Taxi

Express Taxi is currently operating more than 8,000 taxi fleets, also easy to book through 24-hour Call Center. In addition to being perceived well as the value-for-money taxi services that offers comfort and peace of mind, Express group will provide friendly and helpful services in timely manner as well as prioritize the safety of customer.

Tiara Express

Tiara Express is a premium taxi by Express Group. Tiara Express utilizes the luxurious and comfortable Toyota Alphard, Mercedes Benz C-200, BMW, Nissan Elgrand to cater for more passengers with different needs. Each car is equipped with Electronic Data Capture (EDC) for electronic payment with Visa and Master Credit Card.

Blue Bird Group	Car	Toyota Limo	Nissan Almera	Honda Mobilio
	Flag Fall	IDR 6,500		
	Next KM	IDR 3,500		
	Other Fee	Waiting Fee (per hour): IDR 42,000		
	Payment	Cash Visa/Master Card		
	Max. Capacity	4	6	
	Features	Trusted Driver, 24-Hours GPS Technology Well-Maintained Fleet, Lost & Found Service Easy To Get & Easy To Pay		
Reservation	(021)7917-1234 (24 hours) http://www.bluebirdgroup.com/taxi-mobile-reservation			

Silver Bird	Car	Camry	C200	C230	E200	Alphard	Vellfire
	Flag Fall	IDR 9,000					
	Next KM	IDR 5,500					
	Payment	Cash Visa/Master Card					
	Max. Capacity	4	4	4	4	6	6
	Features	Airport Transfer, Experienced Driver GPS 24-Hour Service, Comfortable Fleet Electronic Payment, Silver Bird Privileges					
	Reservation	(021)798-1234 (24 hours)					

Express Taxi	Car	Toyota Limo
	Flag Fall	IDR 7,500
	Next KM	IDR 4,000
	Other Fees	Minimum Payment (Order by Contact Center) : IDR 40,000 Cancellation Fee : IDR 16,500, Waiting Fee (per hour) : IDR 48,000
	Max. Capacity	4
	Payment	Cash
	Reservation	1500122 (24 hours)

Tiara Express	Car	Alphard	C200	Elgrand	BMW
	Flag Fall	IDR 15,000		IDR 19,000	
	Next KM	IDR 7,500		IDR 9,500	
	Other Fees	Minimum Payment: IDR 60,000 Cancellation Fee : IDR 25,000 Waiting Fee (per hour) : IDR 85,000		Minimum Payment: IDR 80,000 Cancellation Fee : IDR 50,000 Waiting Fee (per hour) : IDR 95,000	
	Payment	Cash / VISA/MASTER / Micro Payment with Flazz BCA			
	Max.Capacity	6	3	6	
	Features	DDS Machine, Mobile Internet, Laptop & Handphone Charges, Private Entertainment via LCD, GPS Navigation Onboard			
Reservation	1500122 (24 hours)				

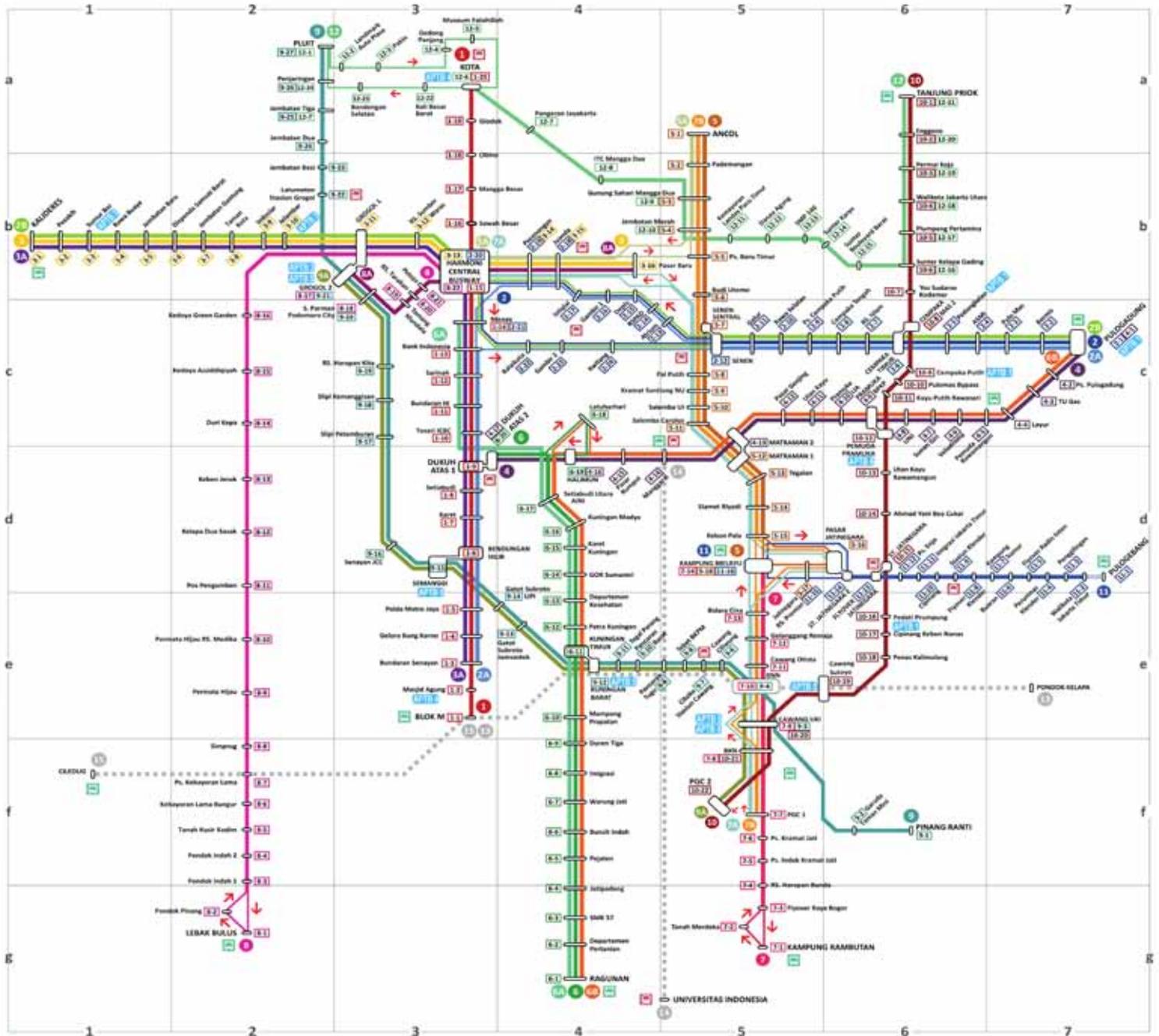


transjakarta		
BW1	Sejarah Jakarta History of Jakarta	Senin-Sabtu Mon-Sat 09:00 - 17:00 Minggu Sunday 12:00 - 19:00
BW2	Jakarta Baru Jakarta Modern	Senin-Sabtu Mon-Sat 09:00 - 17:00 Minggu Sunday 12:00 - 19:00
BW3	Kesenian & Kuliner Art & Culinary	Saturday Saturday 17:00 - 23:00
BW4	Pencakar Langit Jakarta Jakarta Skyscrapers	Senin-Sabtu Mon-Sat 09:00 - 17:00 Minggu Sunday 12:00 - 19:00



GRATIS
Free of Charge

Naik dan turun di tempat yang sudah ditentukan
Get on and off on the dedicated bus stop



Jakarta Convention Center : www.jcc.co.id/

Jakarta Airport Guide: www.jakartaairportonline.com/

Soekarno-Hatta International Airport: <http://soekarnohatta-airport.co.id/>

Transjakarta: <http://transjakarta.co.id/>

Jakarta Tourism: www.jakarta-tourism.go.id/

Jakarta Trip Advisor: https://www.tripadvisor.ca/Tourism-g294229-Jakarta_Java-Vacations.html

Indonesia Tourism: <http://www.indonesia-tourism.com/>

Ministry of Foreign Affairs of the Republic of Indonesia: <http://www.kemlu.go.id>

US Embassy in Jakarta: <http://jakarta.usembassy.gov/>

Embassy of Japan in Indonesia: <http://www.id.emb-japan.go.jp/>

Japan Foundation: <https://www.jpff.go.jp/e/about/jfic/lib/link/jakarta.html>

The Sultan Hilton Jakarta: <http://www.sultanjakarta.com/>

Kereta Api Indonesia: <https://www.kereta-api.co.id/>



**Small Engine Technology Conference 2017
JAKARTA, INDONESIA**

SETC2017 Guidelines for Sponsorship

We are offering sponsorship program for SETC2017 to increase the recognition of your company with the conference participants and related parties.

Outline	<ul style="list-style-type: none"> Sponsorship fee will be appropriate for management expense of SETC2017. 						
Sponsorship fee and benefit	<ul style="list-style-type: none"> We offer several type of sponsorship as below. 						
		Items	Type of sponsorship				
			Diamond	Platinum	Gold	Silver	Bronze
	1	Fee (Million IDR)	200	100	50	25	15
	2	Company Video Clip: Shown During the Event	✓	✓	NA	NA	NA
	3	Company Logo: Shown during the Event	NA	NA	✓	✓	✓
	4	Printed AD in the Program Book (Full Color)	1 Page ¹⁾	1 Page ²⁾	1 Page ³⁾	1 Page ³⁾	1 Page ³⁾
	5	Company Profile or Catalog in CD Distributed Paper in USB and other Souvenir	✓	✓	✓	✓	NA
	6	Company Logo on: Entrance Gate. Filling Counter. Signage, Wall of Fame, Giant Agenda, Poster Panel.	✓	✓	✓	NA	NA
	7	T-Banner, Hanging Benner at Conference area	10 Extra large	5 large	1 Medium	1 Small	NA
	8	Backdrop on Opening and Plenary Session	1 Extra large	1 Large	1 Medium	1 Small	NA
	9	Horizontal Banner in Break-out Room	1 Extra large	1 Large	1 Medium	1 Small	NA
10	Exhibition Booth	2 units	1 unit	NA	NA	NA	
11	Web. AD 1 year	JSAE ⁴⁾ /IATO	JSAE ⁴⁾ /IATO	IATO	IATO	NA	
12	Media Interview (on TV or Radio Streaming)	TV + Radio	TV	Radio	Radio	NA	
¹⁾ Front cover inside or Rear cover Outside, ²⁾ Rear cover inside, ³⁾ Inside, ⁴⁾ JSAE will post banner till Dec. '17							
Application	<ul style="list-style-type: none"> Application deadline: August 4 (Fri.), 2017 (Ask to the secretariat) Manuscript submission deadline: September 11 (Mon.), 2017 Details of how to submit data will be provided after receipt of applications. Application: Please fill out the attached application form, complete with a signature and e-mail or fax it to the conference secretariat. Payment: An invoice will be issued after the application details have been confirmed and accepted. Full payment must be made by the specified date, after receipt of the invoice. (*All bank charges are the responsibility of the payer.) 						
Conference Secretariat	IATO, Wisma Indomobil 1, Basement Floor Jl.M.T Haryono Kav.8, Jakarta 13330 PIC.: Mr.Tri Yuswidjajanto, Mr. Arka Soewono, Mr. Ivo Aryanto TEL: +6221 8566181; FAX : +6221 8570618 E-MAIL : secretariatiato.or.id						



**Small Engine Technology Conference 2017
JAKARTA, INDONESIA**

SETC2017 Technical Exhibition Guideline

We are offering a technical exhibition space during SETC2017. Over 500 attendees and general visitors are expected. Keeping the meaning of technical exhibitions in mind, your application will be greatly appreciated. Please note; however, that if we receive many applications, all may not necessarily be approved.

<p>Outline</p>	<ul style="list-style-type: none"> ● Venue Jakarta Convention Center (JCC) Lower Lobby *The layout of units is determined by the secretariat. ● Exhibition Period Morning and Afternoon on November 15 and 16 Morning on November 17 *Installation and set up : evening on November 14 Removal : afternoon on November 17 ● Official Language : English
<p>Standard Specifications of a Booth</p>	<ul style="list-style-type: none"> ● Divide with side and back panels Dimensions : W2,000mm×D2,000mm×H2,500mm per unit ● Equipment Company name plate: printed fonts / Desk: 1 / Chairs: 2 / Electric power outlets: (AC 220V 50Hz, C type)
<p>Booth Fee and Benefit</p>	<ul style="list-style-type: none"> ● IDR 15,000,000 per unit Apply multi unit is available (ex. 2units costs IDR 30,000,000) ● Benefit Two presenter certificates are issued per booth. From the 3rd certificate, presenter fee is charged per person. The presenter with certificate can participate reception, lunch and network brakes. *Even the presenter with certificate, normal registration is needed to attend technical session.
<p>Application</p>	<ul style="list-style-type: none"> ● Application deadline August 4 (Fri), 2017 (Ask to the secretariat) ● How to apply Please fill out the attached application form, complete with a signature and e-mail or fax it to the conference secretariat. ● Payment : An invoice will be issued after the application details have been confirmed. Payment must be made by the specified date, after receipt of the invoice. (*All bank charges are the responsibility of the payer.)
<p>Conference Secretariat</p>	<p>IATO, Wisma Indomobil 1, Basement Floor Jl.M.T Haryono Kav.8, Jakarta 13330 PIC.: Mr.Tri Yuswidjanto, Mr. Arka Soewono, Mr. Ivo Aryanto TEL: +6221 8566181; FAX : +6221 8570618 E-MAIL : secretariat@iato.or.id</p>



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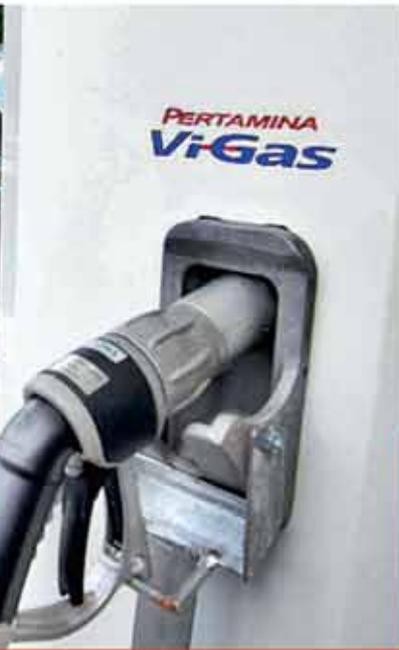
http://www.kawasaki-cp.khi.co.jp/index_e.html

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