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2016 ISETH

THE 2nd INTERNATIONAL CONFERENCE ON
SCIENCE, TECHNOLOGY AND
HUMANITY

Innovation for
Humanity



in conjunction with

ICME'16
7th International Conference on Mechanical and Manufacturing Engineering

INFAES 2016
"The 6th International Annual Engineering Seminar"



August 1-2, 2016
Eastparc Hotel
Yogyakarta, Indonesia

Message from Chair

On behalf of the ISETH 2016 organizing committee, I am honored and pleased to welcome you to the 2nd International Conference on Science, Technology, and humanity (ISETH) in conjunction with the 6th International Annual Engineering Seminar (InAES) and the International Conference on Mechanical Engineering (ICME) at Easparc Hotel Jogjakarta, Indonesia. We have been working with our partners from The Universitas Gadjah Mada Jogjakarta and The University Tun Hussein Onn Malaysia to organize this conference.

The 2nd ISETH conference topic is “Innovation for humanity”, therefore, it aims at accommodating the concerns of various parties having different interest to contribute the effort to make this world a more pleasant place to live. We have 31 papers to be presented, organized as a set of tracks in Technology for humanity; Health and human welfare; Science for humanity; and Humanity and social sciences.

We are honored to have Prof. Andy Kirkparick of Griffith University Australia, Prof. Taufik of California Polytechnic state University USA, and Prof. Datuk Dr. Mohd Noh bin Dalimin of University Tun Hussein Onn Malaysia as our keynote speakers.

I would like to thank our partners, the Universitas Gadjah Mada Jogjakarta and the University Tun Hussein Onn Malaysia, whose systematic work has built up this network and brought people here to share their works and ideas on the related issues to this conference. We gratefully acknowledge the keynote speakers as well as participants who contribute ideas to be presented in this conference. We also appreciate and thankful for the support of all committee members who have been tirelessly working to make this conference happen.

Finally, I hope that you will find the conference both enjoyable and valuable, and also enjoy the cultural and natural beauty of Jogjakarta.

Yogyakarta, August 1st, 2016
Conference General Chair,

Dr. Nurgiyatna

Welcome Speech from Rector of Universitas Muhammadiyah Surakarta

Assalaamu'alaikum warahmatullahi wabarakatuh

Alhamdulillahirabbil 'alamin, all praise due to Allah SWT for His blessing and mercies so we all can be here together to attend this 2nd International Conference on Engineering, Technology and Humanity (ISETH) 2016.

Distinguished guests, respected colleagues, and ladies and gentlemen.

First of all, let me extend my warm welcome to Keynote Speakers and all of the participants. Considering just how busy you all, thank you very much for taking your precious time to share valuable experiences and ideas and to participate in this International conference.

This 2nd Annual International Conference responds to the current issue: contribution of innovation for humanities. Research as a manifestation of innovation requires collaboration and cooperation amongst social agents such as academics, researchers, corporations, and leaders. Studies and ideas from those agents surely cover broad field of science, technology and humanity. Considering such a broad coverage, Universitas Muhammadiyah Surakarta co-organizing this series of International Conference with Universitas Gadjah Mada and Univerisiti Tun Hussein Onn Malaysia, adopts a timely theme "Innovations for Humanity." It is essential to bring together experts in the field of science, technology and humanity so that we can realize together the potential of wisdom of innovation for a humane society.

If you take a look at the Conference Program, you will agree that this series of International Conference is going to be busy and productive. There are many to offer for a two-day event. I would like to take this opportunity to thank the Conference Organizing Committee for their diligent work preparing this conference and making sure that the event goes well.

Last but not least, I strongly hope that all of the distinguished guests gathered here today would enjoy the Conference and I wish our visitors from abroad and other parts of Indonesia will have a very pleasant stay in our city Yogyakarta.

Wassalaamu'alaikum warahmatullahi wabarakatuh.

Warm greeting

Prof. Bambang Setiaji

Organising Committee

Chair	: Nurgiyatna
Co-Chair	: Gunawan Ariyanto
Secretary	: Yeny Prastiwi
Treasurer and Administration	: Eko Daryadi
Publication	: Yuldarahman, Farizky Rahman
Programme	: Wisnu Setiawan Hepy Adityarini

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