IOP Conference Series: Materials Science and Engineering

International Nuclear Science, Technology and Engineering Conference 2017 (iNuSTEC2017)
“Crafting Nuclear Knowledge for Global Well-Being”

Universiti Tenaga Nasional
Kajang, Selangor, Malaysia
25 – 27 September 2017

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PREFACE

All praises to God the Al-Mighty for the strengths and His blessing in making Nuclear Science, Technology and Engineering Conference 2017 (iNuSTEC2017) a success.

The history in organizing Nuclear Science, Technology and Engineering Conference started back in 2010. During that year, it was called NuSTEC2010 and was organized only at national and regional levels. From that year onwards, we succeeded in organizing our second (iNuSTEC2011), third (iNuSTEC2012), fourth (international iNUSTEC2013), fifth (NuSTEC2014), sixth (international iNuSTEC2015) and (international iNuSTEC2016) conferences. Based on these achievements, we have decided to reconvene the conference sustainability by organizing regional/international iNuSTEC on annual basis.

The iNuSTEC2017 was held from 25 - 27 September 2017 at Universiti Tenaga Nasional (UNITEN) at Putrajaya campus in Kajang, Selangor. The conference continued the tradition of continuous effort by Malaysian Nuclear society to bring together the nuclear communities in an annual event to discuss and to discourse on progress in nuclear researches and related fields. The conference particularly encouraged the interaction of research students, research institutions and academics with the more established community. iNuSTEC2017 also played an essential role in introducing and fostering new research talents and in advancing the future profile of nuclear science, technology and engineering regionally and globally.

iNuSTEC2017 comprised of the conference, WIN-MNS seminar and Nuclear Youth competition. UNITEN had also organized a post-conference workshop on neutronic simulation on the 28th of September 2017. At the national forefront of science and energy development, we were honoured to be able to highlight the usage of science and engineering in the nuclear fields and to promote the use of nuclear science and technology for peaceful use through these conference, workshop and side-meetings.

We would like to acknowledge the Ministry of Science, Technology and Innovation Malaysia (MOSTI), Ministry of Education Malaysia (MOE), Malaysian Nuclear Agency (Nuclear Malaysia), International Atomic Energy Agency (IAEA), Hitachi-GE Nuclear Energy Ltd., Japan Atomic Energy Agency (JAEA), Tokyo Institute Technology, Asia Oceana Neutron Science Association (AONSA), ASME Section Malaysia, Malaysian Welding and Joining society, NGOs, universities and companies for their moral and financial support. Special thanks to iNuSTEC2017 organizing committees for their effort and commitment during this conference. We look forward to meeting all of you in 2018 – iNuSTEC2018 @ UTM.

Assoc Prof Dr Nasri A Hamid (UNITEN)
Dr. Faridah Mohamad Idris (MNS)
Chairs of iNuSTEC2017,
Kajang, Selangor,
Malaysia.
MESSAGE FROM :
THE PRESIDENT, MALAYSIAN NUCLEAR SOCIETY (MNS)

On behalf of the Malaysian Nuclear Society (MNS), I would like to express our thanks to all participants of the International Nuclear Science, Technology and Engineering Conference 2017 (iNuSTEC2017). MNS is honoured to receive supports from distinguished international and national experts in the field of nuclear (neutron) science and engineering as International Advisory and National Advisory Panels for iNuSTEC2017. We are indeed pleased to have Organizing Committees of iNuSTEC2017 and the Secretariats working with along to ensure the success of iNuSTEC2017. At the forefront of nuclear science and engineering MNS collaborates with universities and related NGOs to bring the success of iNuSTEC2017. MNS members shall strive to make it better and stronger in future.

In conjunction with this conference, MNS is also honoured to organise 2nd Nuclear Youth Competition 2017 (NYC2017) to help bring the young nuclear generation into the main stream of nuclear development and issues. In addition, this is the second time that Women in Nuclear Malaysia (WiN Malaysia), as Chapter of MNS and Women in Nuclear (WiN) Global, is organizing Women in Nuclear Malaysia 2017 Annual Conference to highlight the importance of women factor in the development of nuclear sector in Malaysia. A post conference workshop on neutronic simulation had been organised to give essential knowledge for Malaysian nuclear researchers in using computers as a tool of a simulation method.

This conference brings together experienced and young researchers to discuss and debate latest development in all areas of nuclear science, engineering and technology applications for friendly purposes at international level. This would spur and catalyse further research and development leading to the sustainable and improvement of the quality of life without compromising the quality of the environment in Malaysia and in the world.

We would like to express our gratitude to UNITEN for hosting iNuSTEC2017, WiN Conference 2017 and NYC2017 and to all the personnel involved for their unwavering efforts to make this event a reality. I wish to also record my appreciations and thanks to all sponsors for their generous support. May all these efforts bring benefits to all of us and I congratulate everyone involved in making this conference successful event.

“Crafting Nuclear Knowledge for Global Well-Being“

Thank you.

Assoc Prof Dr Abdul Aziz Mohamed
President, MNS.
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