IOP Conference Series: Materials Science and Engineering

International Nuclear Science, Technology and Engineering Conference 2019 (iNuSTEC2019)
“Sustainable Nuclear Economy For The Nation Progress”

Universiti Kebangsaan Malaysia
Bangi, Selangor, Malaysia
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PREFACE

All praises to God the Al-Mighty for giving us the strengths and the His blessing in making Nuclear Science, Technology and Engineering Conference 2019 (iNuSTEC2019) 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), seventh (international iNuSTEC2016), eighth (international iNuSTEC2017) conferences, ninth (iNuSTEC2018) and tenth (iNuSTEC2019). Based on these achievements, we have decided to reconvene the conference sustainability by organizing regional/international iNuSTEC on annual basis.

The iNuSTEC2019 was held from 29-31 October 2019 at Universiti Kebangsaan Malaysia (UKM) in Bangi, Selangor, Malaysia. 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. iNuSTEC2019 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.

iNuSTEC2019 comprised of the conference parallel sessions, Zarah dan Daya 2019, Women in Nuclear Conference 2019 and Nuclear Youth 2019 competition. 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 Energy, Science, Technology, Environment and Climate Change Malaysia (MESTECC), Ministry of Education Malaysia (MOE), Malaysian Nuclear Agency (Nuklear Malaysia), International Atomic Energy Agency (IAEA), Japan Atomic Energy Society (JAES), China Nuclear Society (CNS), SOKENDAI (The Graduate University For Advanced Studies), Japan, Alex Corporation (M) Sdn Bhd, Sinaran Utama Teknologi Sdn Bhd, Reltech Lab Sdn Bhd, Cerenkov Scientific Sdn Bhd, Intech Scientific Sdn Bhd, Exprojava Sdn Bhd, Arey Solutions Sdn Bhd and Rem Consultants Sdn Bhd, Asia-Oceania Neutron Scattering Association (AONSA), ASME Section Malaysia, Malaysian Welding and Joining society, Institute of Nuclear Engineers (INE MNS), Kelab Sains Nuklear (KESAN), Nuclear Engineering Student Society (NESS), NGOs, universities and companies for their moral and financial support. Special thanks to iNuSTEC2018 organizing committees for their effort and commitment during this conference. We look forward to meeting all of you in 2019 – iNuSTEC2020 @ UNITEN.

Assoc Prof Dr Faizal Mohamed (UKM)
For Chairs of iNuSTEC2019
Bangi, Selangor
Malaysia
MESSAGE FROM:
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 2019 (iNuSTEC2019). 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 iNuSTEC2019. We are indeed pleased to have Organizing Committees of iNuSTEC2019 and the Secretariats working along to ensure the success of iNuSTEC2019. At the forefront of nuclear science and engineering MNS collaborates with universities and related NGOs to bring the success of iNuSTEC2019. MNS members shall strive to make it better and stronger in future.

In conjunction with this conference, MNS is also honoured to organise Zarah dan Daya 2019, Women in Nuclear Conference 2019 and 4th Nuclear Youth Competition 2019 (NYC2019) to help bring relevant sector and the young Z nuclear generation into the mainstream of nuclear development and issues.

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 UKM for hosting iNuSTEC2019, Zarah dan Daya 2019, WiN Conf 2019 and NYC2019 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.

Thank you.

Assoc Prof Dr Abdul Aziz Mohamed
President, MNS
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