Introduction

Assalamualaikum wr. wb.

On behalf of the organizing committee, I would like to welcome all of you to the 1st International Conference on Engineering and Applied Technology (ICEAT) and the 5th National Seminar on Applied Technology (SNTT), to be held from 29th – 30th November 2017.

The sustainability issues emerge and influence the human life, on the other side technology plays a significant role to accelerate the achievement of sustainable development goals. These two factors have motivated the researchers to engage themselves with continuous discussion on sustainability and technology. This is timely placed with the theme of our conference ‘Bridging the gap from emerging technology to sustainable and smart technology’. It is hoped that the conference will lead to cross fertilization of ideas and act as a catalyst for collaborations at both the national and international levels.

I am pleased to inform you that there will be 150 papers presented across 7 parallel sessions. Paper presenters are from Japan, Malaysia, and Indonesia. We have very diverse presenter from Indonesia represents western and eastern part of Indonesia (from Aceh to Papua). I would like to convey our deepest gratitude to the keynote speakers: Professor Masaharu Fujita from Kyoto University Japan, Professor Michele Rosano from Curtin University Western Australia, and Ibu Inten Sripeni from PT Indonesia Power Jakarta. I also take this opportunity to thank our sponsors namely Garuda Indonesia, Tourism Office of West Nusa Tenggara, and PT. Amman Mineral Nusa Tenggara.

Lastly, I hope the conference will bring a new exciting experience, provide a good platform to make friends and learn from each other. I hope your stay in Lombok will be enjoyable and a memorable one.

Wabillahi Taufik Walhidayah Wassalamualaikum Warahmatullahi Wabarakatuh.

With best wishes,

Organizing Committee Chairman
Joni Safaat Adiansyah, Ph.D
Welcome Message from the Rector of Universitas Muhammadiyah Mataram

Assalamu alaikum wr. Wb
Peace be upon you

Honorable the three keynote speakers for the First International Conference on Engineering and Applied Technology:
1. A/Professor Michele Rosano: from Sustainable Engineering Group (SEG) Curtin University Australia,
2. Professor Masaharu Fujita from Disaster Prevention Research Institute Kyoto University of Japan, and
3. Mrs. Sripeni Inten Cahyani from PT Indonesia Power
4. All Deans of Association of Muhammadiyah University from all over Indonesia
5. Honorable all ladies and gentlemen.

All thanks only delivered to the one and only, the Almighty Allah SWT who always give us his blessing, mercy, healthy and opportunity to allow us to come and attend this special occasion.

All ladies and gentlemen, welcome to West Nusa Tenggara especially at Muhammadiyah University of Mataram, it is a pride to be trusted by the members of Forum Group Discussion of Technology's Forum (FGDT), as a committee and executor of annual meeting of Dean of Engineering Faculty at the 8th Association of Muhammadiyah University (PTM) all over Indonesia held together with the National Seminar on Applied V Technology, and the International Conference on Engineering and Applied Technology I.

It must be acknowledged that the issues in development and technology become an important part of human civilization. Technology takes a significant role in the dynamics and activities of modern society. This is because the technology offers easiness in facilities, communications, transportation and so forth. Therefore, humans as designers as well as users are required to continue to keep on innovative in developing the utilization and application of technology, in order to improve the quality of human life. And I think these scientific meetings are an absolutely must be done, because this is such a good opportunity for researchers and scientists all over Indonesia with different backgrounds of expertise to meet each other, and to share knowledge in maximizing the efficient and effective technology, for mankind by carrying the local wisdom and human nature as a social creature.

The efficiency and effectiveness of using technology has a fundamental effect on the acceleration of development. Admittedly or not, discourse on sustainable development has become one of the world's top topics today and next in the future. The successful of implementation related to the paradigm of sustainable development will provide the changes of value in all aspects of life, including; social, economic, cultural, and environment. Although, in fact we cannot deny that there are still many points of views that cast doubt on the crucial role of technology in promoting sustainable development. So, I think this extraordinary meeting is very fitting with the current theme, "Bridging the gap from emerging technology to sustainable and smart technology".
I hope that the vision to be achieved in this meeting can be accomplished in the form of developing sustainable and humane technological engineering research, then the results of these technological innovations can be published globally and inspire the new emergence and more advanced technologically. And the most important thing to be noted is through this meeting, I hope that good communication is established and strong networking among researchers, institutions, and related stakeholders would be built up regularly, which will facilitate the development of technology, applications, and new innovations.

Rector of Universitas Muhammadiyah Mataram
Drs. H. Mustamin H. Idris, MS