

# Preface

## A Message from the President of Hsiuping University of Science and Technology



On behalf of Hsiuping University of Science and Technology, I would like to express my sincere delight with Rajamangala University of Technology Rattanakosin, Thailand to work together for this International Conference. The committees of the 「2019 3rd Advanced Multidisciplinary Views on Sustainable Life & Business (Sus-LaB3)」 are pleased to welcome participants to this meeting held at Hsiuping University of Science and Technology, Taichung, Taiwan on March 19-21, 2019.

Environmental exploitation and sustainability has become an important variable within current competitive scenarios, and businesses are developing new and innovative ways to enhance their global competitiveness. Green business has been recognized as an environmental leader. It operates efficiently, strengthening the bottom line. It improves employee morale, health and productivity. It holds a marketing edge over the competition. As the concept of sustainable value from products continue to rise, and many business owners have rapidly adopted a sustainable environment globally to perform their green business practice. The main objective of this conference is to provide a venue where academic officers, general officers, researchers, experts worldwide, and graduated students can share more knowledge, idea and experiences in sustainable living & built environment from the experts on sustainable life and business. We believe it is of immense significance to have an opportunity to share the knowledge from all participants.

Among 89 excellent manuscript submissions from 8 counties, all of them have been further selected for presentation in the conference. These papers provide unique insights and are regarded as the research forefront of the key areas including applications of sustainable life, business and built environment. We would like to express our gratitude to all those who contributed in helping deliver quality content of 「2019 3rd Advanced Multidisciplinary Views on Sustainable Life & Business (Sus-LaB3)」.

A handwritten signature in black ink that reads "Tso-Liang Teng". The signature is written in a cursive, flowing style.

Dr. Tso-Liang Teng

President of Hsiuping University of Science and Technology

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### General Chair's Message



The committees of the 「2019 3rd Advanced Multidisciplinary Views on Sustainable Life & Business (Sus-LaB3)」 are pleased to welcome you to this meeting held at Hsiuping University of Science and Technology, Taichung, Taiwan on March 19-21, 2019. On behalf of the organizers, I would like to personally appreciate each of you for taking time with the delegates from all around the world and hope you will have good stay here. A special thanks goes out to all the members who helped out with the seminar as well. The event would not have been possible if it weren't for your hard work and effort.

With the environmental sustainability is not simply a matter of compliance or only risk management. Business is increasingly recognizing the many competitive advantages and business opportunities to be gained from eco-sustainability and green marketing. Many evidences indicate people are more concerned about the environment and are changing their behavior accordingly. As a result there is a growing market for sustainable and socially responsible products and services. Furthermore, as consumers become more environmentally conscious and energy costs continue to rise, businesses are rapidly adopting environmentally friendly business practices. Many business owners fear it's too costly to adopt eco-friendly practices, however, small investments can reap large gains. Green practices can save money while creating happier customers and a healthier planet.

The Sus-LaB3 International Conference aims to provide a cross-disciplinary platform for academic officers, general officers, researchers, experts worldwide and graduated students to share insights on new ideas, technologies to facilitate energy transformation in sustainable living & environment from the experts on sustainable life and business. We anticipate this special occasion to be stimulating collaboration and discussion for all, with much communication and sharing of knowledge and experience. Looking forward for your participation again in our next event.

A handwritten signature in black ink that reads "Hsun-Cheng Lin". The signature is written in a cursive, flowing style.

Dr. Hsun-Cheng Lin  
General Chair, 2019 Sus-LaB3

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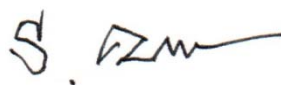
### Message from President of Rajamangala University of Technology Rattanakosin



Rajamangala University of Technology Rattanakosin, Thailand in cooperation with Hsiuping University of Science and Technology, Republic of China (Taiwan) are planning to organize an International Conference on “3<sup>rd</sup> Advanced Multidisciplinary Views on Sustainable Life and Business”: Sus-LaB 3 on 19<sup>th</sup> March – 21<sup>th</sup> March 2019 to be held at Hsiuping University of Science and Technology, Taiwan. The purpose of this conference is to give the opportunity for academic officers, general officers, researchers, and graduated students to publicize their researches to the academic network. In addition, it's also to build the joint research cooperation network and graduated research network from external.

Therefore, Rajamangala University of Technology Rattanakosin and Hsiuping University of Science and Technology arranged this conference to give an opportunity for exchanging the ideas, knowledge, and experiences on Sustainable Life and Business with other researchers and professional keynotes including present the papers in engineer, architecture, business policy and strategy, computer science and applications, economics, education, tourism management, etc. This conference will build the cooperation and lead to the increasing of knowledge and potential in research.

We hope that this conference will be an ideal opportunity to share experiences and exchange ideas with fellow colleagues regarding for many aspects on multidisciplinary views on sustainable life and business. Finally, we wish the participants be success in this conference.



(Asst.Prof.Siwa Wasuntarapiwat)

President of Rajamangala University of Technology Rattanakosin