



### **Message from the President of Khon Kaen University**

Welcome all participants to the National and International Graduate Research Conference 2017 held by Graduate School, Khon Kaen University. This would be a good opportunity for graduate students to share their research works in order to develop research excellence as relevant to the University's vision - a leading world-class research university.



In 2017, Thailand is entered to the era of Thailand 4.0 where attention is being paid on innovation, research is considered as the first step of development since it is an initial stage of creating innovation. Khon Kaen University has supported for development and promotion in conducting research for students, staff, researchers and lecturers to contribute new principles and knowledge that can be applied for the community and society. Conducting a research is not only making an academic contribution and yielding intellectual property, but it has to also foster industrial development and regional communities. The result of the University's priority on research could moreover be spread worldwide both nationally and internationally. Consequently, graduate research conference is leading to academic and research development at a national and international level.

On behalf of Khon Kaen University, I would like to welcome all participants to the "National and International Graduate Research Conference 2017". I hope this conference would be a helpful platform for all graduate students to learn from each other that it is expected as the highest success of this conference. Also, I hope that the knowledge you gained today could be applied for research contribution that benefits your works, organizations, communities, societies and countries in the future.

(Associate Professor Kittichai Triratanasirichai, Ph.D.)

President of Khon Kaen University