# DTU Hosts IUKM 2016

On November 30th, DTU and the Japanese Advanced Institute of Science and Technology (JAIST) organized "The International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making - IUKM 2016". Two hundred delegates, including fifty foreign researchers from the US, France, Japan, Thailand, China and Austria attended.



*Mr. Nguyen Quang Thanh, Director of the Danang Department of Information and Communications*

Dr. Vo Thanh Hai, DTU Vice-Provost, said: *"In these complex times, huge uncertainty information causes problems in making economic and social policy decisions. IUKM 2016 provides a forum for the exchange of research and ideas and experiences encountered by experts involved in all aspects of uncertainty modeling and management. We thank JAIST and Nafosted for sponsoring this symposium."*

*Local and foreign scientists attend the symposium*

Mr. Nguyen Quang Thanh, Director of the Danang Department of Information and Communications, said: *"Danang always encourages IT development and effectively turns its research in reality. IT growth has brought the city significant export revenue, as a result of the contribution of many universities, including DTU, who have graduated large numbers of highly-qualified IT engineers over the years. We are happy that IUKM 2016 was held in Danang. This conference is a great opportunity for us to learn about advanced research to demonstrate how we can construct better models in the future."*

The organizers received 78 papers and 57 were accepted for presentation at IUKM 2016 and for publication of the proceedings. The main topics covered at IUKM 2016 were uncertainty formalisms, Bayesian probability, the Dempster-Shafer theory, imprecise probability, random sets, rough sets, fuzzy sets and interval methods, modelling uncertainty and the inconsistency in large amounts of data, logics for reasoning under uncertainty, information fusion and knowledge integration in uncertain environments, decision-making under various types of uncertainty, aggregation operators for decision making, copulas for dependence modeling, granular and soft computing and computational intelligence.

During the three days of the conference, leading scientists from France, Poland and Vietnam gave public lectures on their research. Topics presented included, "On Evidential Measures of Support for Reasoning with Integrated Uncertainty: A lesson from the Ban of P-values in Statistical Inference"; "Uncertainty Management and Decision Support"; "Soft Clustering and Classification"; "Machine Learning Applications: Past, Present and Future"; "Autonomous Systems: Many Possibilities and Challenges"; "Biomedical and Image Applications"; "Data Mining and Application". Others offered a more comprehensive view about models and techniques to manage and integrate data sources.

This fifth IUKM allowed Vietnamese and foreign scientists to share their latest research and enhance collaboration in training and research, in order to better support individuals, groups and enterprises in accessing the pertinent information to solve their economic, social and managerial problems.

*(Media Center)*