

Preface

Nanostructures, nanomaterials, nanoengineering, materials technology and applications are always attractive research subjects in this century. This issue includes selected papers with peer review from the 8th International Conference on Nanostructures, Nanomaterials and Nanoengineering 2019 (ICNNN 2019) and 2019 International Conference on Materials Technology and Applications (ICMTA 2019), Kyoto, Japan, 11th-14th Oct, 2019, for which there are more than 160 participants from various countries involving Europe, America, Africa and Asia. This special issue contains papers with novel scientific knowledge and applications, covering such as biomedical and polymer materials, metal alloy materials, structural materials, electronic and functional materials, carbon nanotube and graphene, nanomaterials, material chemistry, and various applications.

We are happy that senior and young scientists and experts delivered quite interesting and cutting edge talks and posters. Internationally known experts in the world were invited to deliver their excellent Plenary and Keynote speeches, young students had chances of oral presentations and benefitted from the questions and comments from senior and peer scientists. Presentations of all the contributed participants were carried out actively for two days at several parallel sessions divided due to the categories of research topics such as biomaterials, nanomaterials, and materials technology/applications. The conference is also a premier event that address the new advancements and challenges in the field of nanostructures, nanomaterials, nanoengineering and materials applications. Although a huge typhoon reached Japan, all the participants could attend the conferences.

Special thanks to the chairpersons of the different sessions, all the technical reviewers from all over the world. On behalf of the conference committee, we express sincere appreciation for their involvement. All participants played important roles in this conference, their supports have promoted the conference to better.

Regards,

Prof. Hao Gong, National University of Singapore, Singapore

Prof. Kazuo Umemura, Tokyo University of Science, Japan

Organizing Committee

Conference Chairs

Hao Gong, National University of Singapore, Singapore
Kazuo Umemura, Tokyo University of Science, Japan

Program Chairs

Yoshihiko Uematsu, Gifu University, Japan
Indriana Kartini, Universitas Gadjah Mada, Indonesia

Technical Committee

Fahad Al Maskari, Petroleum Institute, UAE
Chil-Chyuan Kuo, Ming Chi University of Technology, Taiwan
Mirosław Kwiatkowski, AGH University of Science and Technology, Poland
Supakorn Pukird, Ubon Ratchathani University, Thailand
Weerapun Duangthongsuk, Southeast Asia University, Thailand
Karim H Hassan, College of Science of University of Diyala, Iraq
Mufeed Batarseh, Abu Dhabi Polytechnic, UAE
Zuliahani Ahmad, Universiti Teknologi Mara (UiTM) Perlis, Malaysia
Khairunisa Muthusamy, Universiti Malaysia Pahang, Malaysia
Rozyanty Rahman (polymer), Universiti Malaysia Perlis, Malaysia
Sastikumar, National Institute of Technology, Tiruchirappalli, India
Manolo G. Mena, University of the Philippines, Philippines
H. Mas Ayu, Universiti Malaysia Pahang, Malaysia
Mufeed Batarseh, Abu Dhabi Polytechnic, UAE
Yousef Haik, Qatar University, Qatar
Raminder Gill, Amity University, India
Smith Eiamsa-ard, Mahanakorn University of Technology, Thailand
Lee Kean Chuan, Universiti Teknologi PETRONAS, Malaysia
Sirirat Wacharawichanant, Silpakorn University, Thailand
Anuar Mohd Salleh, Universiti Tun Hussein Onn Malaysia, Malaysia
Sehanat Prasongsuk, Chulalongkorn University, Thailand
Radiah Mohamad, Universiti Tun Hussein Onn Malaysia, Malaysia
Norashidah Abd Rahman, Universiti Tun Hussein Onn Malaysia, Malaysia
Siti Nazahiyah Rahmat, Universiti Tun Hussein Onn Malaysia, Malaysia
Yu-Chih Tzeng, National Defense University, Taiwan
En-Chih Chang, I-Shou University, Taiwan
Huynh Trong-Phuoc, Cantho University, Vietnam
Madya Dr Aeslina Binti Abdul Kadir, Universiti Tun Hussein Onn Malaysia, Malaysia
Jong Wook Roh, Kyungpook National University, South Korea
Han Hsiang Huang, National Chiayi University, Taiwan
Jui-Fen Chang, National Central University, Taiwan
Norazwani Muhammad Zain, Universiti Kuala Lumpur Malaysia France Institute, Malaysia
Sukangkana Talangkun, Khon Kaen University, Thailand
Andri Kusbiantoro, Universiti Malaysia Pahang, Malaysia
Jiong-Shiun Hsu, National Formosa University, Taiwan
Yu-Cheng Liu, Feng Chia University, Taiwan
Chao-Cheng Chang, National Kaohsiung University of Science and Technology, Taiwan
Ernie Suzana Ali, University Sains Islam Malaysia, Malaysia

Shyh Ming Kuo, I-shou university, Taiwan
Mauricio Carmona, Universidad del Norte, Colombia
Azrina Abd Aziz, Universiti Malaysia Pahang, Malaysia
Okan Sirin, Qatar University, Qatar
Sholihun, Universitas Gadjah Mada, Indonesia
Chi-Wen Lin, National Yunlin University of Science and Technology, Taiwan
Anyaporn Boonmahitthisud, Chulalongkorn University, Thailand
Danuta Barnat-Hunek, Lublin University of Technology, Poland
Ruey-Fang Yu, National United University, Taiwan
Shun Yao, Sichuan University, China
Levitsky Semyon, Shamoon College of Engineering, Israel
Jia-Lin Tsai, National Chiao Tung University, Taiwan
Frederick Johannes Willem Jacobus (Johan) Labuschagne, University of Pretoria, South Africa
Ching An Huang, Chang Gung University, Taoyuan, Taiwan
Kowit Piyamongkala, King Mongkut's University of Technology North Bangkok, Thailand
Jung-San Chen, National Cheng Kung University, Taiwan
Y. Morris Wang, Lawrence Livermore National Laboratory, USA
Ming-Show Wong, National Dong Hwa University, Taiwan
Yu-Cheng Kan, Chaoyang University of Technology, Taiwan
Abdul Maleque, CEng, MIMechE (UK), UK
Nattakan Soykeabkaew, Mae Fah Luang University, Thailand
Yun Sun, Chinese Academy of Sciences, China
Omid Reza Baghchesaraei, Western Sydney University, Australia
Gobinda Gopal Khan, Tripura University (A Central University), India
Anucha Watcharapasorn, Chiang Mai University, Thailand