

## Preface

It has been my pleasure to have been involved with the 4th International Conference on Frontiers of Composite Materials (ICFCM2019) for 4 years now (Auckland New Zealand, Melbourne (Monash University, Melbourne Australia), Sydney (University of Technology, Sydney), and in 2019 hosted by my home institution (University of Queensland, UQ, Brisbane Australia). While it is a relatively small meeting, I always enjoy the multidisciplinarity and also the International flavour.

And the 4th joint International Conference on Energy Engineering and Smart Materials (ICEESM-2019) were held in Trinity College Dublin, University of Dublin, Ireland during June 22-24, 2019. The conference programme included the invited talks as well as oral and poster presentations from scientists working in similar areas to establish platforms for collaborative research projects. The conference covered recent trends and advances made in the fields of energy engineering, green technology and smart nanomaterials.

The major goal and feature of the conference is to bring academic scientists, engineers and industry researchers together to exchange and share their experiences and research results, and to discuss the practical challenges encountered and the solutions adopted. This year 54 participants from Ireland, France, Spain, Canada, Russia, Lebanon Japan, China, Indonesia, Australia, America, South Korea, UAE, Saudi Arabia, Czech Republic, Poland, Phillipines, Thailand, Malaysia and India met on the conferences to share ideas and concepts in the broad area of composite materials. This year we also ensured gender equity in both the keynotes and the technical sessions – a first for this meeting!

The quality of the science and presentations is improving each and every year, and the breadth of topics now sees nanocomposites, composites for building materials, energy storage and renewable composites embedded as major themes at this meeting.

We hope that this collection of papers will be useful for the wide range of scientists and engineers from various areas of engineering and material sciences.

Sincerely,

Prof. Darren Martin, Conference Chair of ICFCM2019  
Prof. Tatiana Perova, Conference Chair of ICEESM2019

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