

The University of Limerick (UL) SIAM Student Chapter, together with the Mathematics Applications Consortium for Science and Industry (MACSI), hosted the 5<sup>th</sup> Irish SIAM Student Chapter Conference on January 18<sup>th</sup> 2019. The conference was aimed at postgraduate and postdoctoral researchers working in applied and industrial mathematics or related areas, and aimed to build relationships and encourage collaboration between early career researchers from both Irish and UK institutions.

The event was a great success with over 30 attendees and 9 academic institutions represented. We were very grateful to host two excellent plenary speakers, Dr Matthew Hennessy from University of Oxford and Dr Felicity Lamrock from the National Centre for Pharmacoeconomics and Trinity College Dublin, as well as 10 contributed talks from PhD and postdoctoral students. A diverse range of problems were presented, ranging from tsunami modelling to estimating the extent of biodiversity on Earth. The full list of attendees and abstracts can be found in the conference booklet on the conference website (<https://sites.google.com/view/ul-siam-conference-2019/home>).

The conference was opened by Professor James Gleeson, co-director of MACSI and faculty advisor for the UL SIAM Student Chapter, who introduced our first plenary speaker Dr Matthew Hennessy who presented his work on the mathematical modelling of lithium-ion batteries. After lunch, our second plenary speaker Dr Felicity Lamrock discussed her role in the National Centre for Pharmacoeconomics and the statistics to consider when appraising cost-effectiveness models. The award for best student speaker on the day was presented by Dr Lamrock to Roisin Hill of the National University of Ireland Galway for her talk on adapted *a posteriori* meshes for Burgers' equation.

This conference was generously funded by MI-NET through COST Action TD1409, MACSI, the UL Faculty of Science and Engineering, and of course SIAM through their continued support of the UL SIAM Student Chapter.



Professor James Gleeson (MACSI co-director) provides an opening address at the conference.



Dr Matthew Hennessy delivers the opening plenary.



*Dr Felicity Lamrock discussing what statistics are useful to assess the cost-effectiveness of new drugs.*



*Dr Felicity Lamrock presents Roisin Hill from NUIG with the award for best student speaker at the 5th Irish SIAM Student Chapter Conference.*