



Undergraduate Talk Competition (2019/2020)



Dublin Area Student Chapter

An online undergraduate talk competition was held in August, as part of our summer program of events. This event provided the undergraduate members of the chapter an opportunity to showcase the interesting mathematical problems that they tackled during their respective research internships. The students were asked to give a 3 minute presentation followed by 2 minutes of Q&A. One4All vouchers were on offer for the winner and runner-up of the competition. The Dublin Area Student Chapter has members from three different Dublin based universities: University College Dublin (UCD), Trinity College Dublin (TCD) and Technological University Dublin (TU Dublin). So in the interest of fairness an esteemed judge from each University kindly agreed to partake in the event: Prof. Peter Lynch (UCD), Dr. Christiana Pantelidou (TCD) and Dr. John Butler (TU Dublin). The judges assessed each talk on three criteria: Clarity, Content and Charisma. The audience was treated to a wide range of topics from applying inverse design to nanophotonics to mathematical modelling of optimal cycling strategies. The audience members are now well equipped with the knowledge (not the fitness) on how best to tackle the gruelling Alpe d'Huez section of the Tour de France! All the presentations were extremely impressive which made the judges job very difficult.

The chapter would like to thank the judges for agreeing to take part and to commend the undergraduate students, all the presentations were hugely impressive but a shout-out must be given to the runner-up and winner of the competition, Peter James Nee (UCD) and Tara Murphy (TCD) respectively. Due to the current circumstances this event was held online and was well attended by various members of the Irish Applied Mathematics community. The winning presentation can be viewed on the chapter's youtube channel (https://www.youtube.com/channel/UCuzI2BtfCw4_2WCuwckZDIg) along with the online short seminar series that has been running over the past few months.

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<https://sites.google.com/view/siam-ima-dublin>

September 4, 2020