SURE Conference 2023 #SURE2023

SURE
Science Undergraduate Research Experience

Science Undergraduate Research Experience (SURE) Conference

13 October 2023, Technological University Dublin, Grangegorman Campus

Welcome from the SURE Network Chairperson

Hello and welcome to the sixth annual SURE Conference (#SURE2023). The SURE Network was formed in 2016 by academics keen to promote undergraduate research in the Sciences. Now in our seventh year, I am proud to say I think we have done a great job! Whether you are about to start your final year project or thinking about it for the future, I hope today's diverse and fascinating array of talks sparks your imagination, and helps you to complete your own awesome final year project.

As network chair, I wish to sincerely thank the organising committee, co-chaired by Dr Ciarán O'Leary and Dr James Walshe (TU Dublin), the programme committee chaired by Dr Larry Fitzhenry (SETU), and the digital badge and team-based learning team chaired by Dr Anne Marie O'Brien (TUS) for all of the hard work which has made today's conference possible.

I wish to acknowledge the extraordinary efforts of the graduates who are brave enough to present their research here today. If they are passionate enough about their science to share it in this large forum, I can only marvel at where they might be in ten years' time. No doubt we will continue to benefit from their endeavours in scientific discovery in the future. Here's to an exciting day of research and don't forget to tweet/X! #SURE2023

Dr Therese Montgomery
SURE Network Chairperson

Welcome from the Conference Co-Chairpersons

This year's conference was organised by lecturers in the Faculty of Computing, Digital and Data and the Faculty of Sciences and Health in TU Dublin, as well as many SURE Network members from around Ireland.

TU Dublin's Faculties have been formed recently following the establishment of the University, and have successfully brought together staff and students from the campuses in Grangegorman, Blanchardstown and Tallaght. We have been delighted with the opportunity that SURE 2023 has provided us to work closely together and to invite lecturers and students from around Ireland to come to Dublin to meet us on our newest campus at Grangegorman.

As Chairpersons of the Conference Committee, we would like to thank all the students who have submitted their work, all the supervisors who assisted them, our keynote presenter and fireside participants, and everyone on our Committee.

Dr Ciarán O'Leary, Dr James Walshe
SURE 2023 Conference Co-Chairpersons

SURE 2023 Conference Committee

Melvin Bendera, TU Dublin	Eileen O'Leary, MTU
John Butler, TU Dublin	Denis O'Shea, TU Dublin
Nwabuogo Enwerem, TU Dublin	Finn Purcell Milton, TU Dublin
Roisin Faherty, TU Dublin	Mariana Rocha, TU Dublin
Laurence Fitzhenry, SETU	Stephen Sheridan, TU Dublin
Sean Kennedy, TU Dublin	Carla Surlis, TU Dublin
Karen Nolan, TU Dublin	James Walshe, TU Dublin
Anne Marie O'Brien, TUS	Ciarán O'Leary, TU Dublin

Publish in SURE-J
The SURE Network Journal

We invite all students and graduates to submit their work to the SURE journal for pre-publication review and consideration by our expert editorial team. SURE-J is currently accepting submissions for its sixth volume.

Visit SUREbyts
Video Recordings of Researchers

Lecturers, students, graduates and researchers are invited to view and contribute to our collection of research videos – designed to help first and second year students understand research.

Find SURE-J and SUREbyts on the SURE Network website sure-network.ie

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S U R E
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Conference Schedule [See sure-network.ie/conference for presentation titles]

9:30am: Welcome, Dr Therese Montgomery, Chairperson, SURE Network

9:40am: Opening by Dr Brendan Jennings, Vice President for Research and Innovation, TU Dublin

9:50am: Keynote Speaker – Mr Daniel Izquierdo, CEO and co-founder of Micron Agritech

10:20am: Oral Presentations Session 1
Abigail Bacon (TU Dublin)
Shane Crotty (MTU)
Jing Ling Wong (DKIT)
Geraldine Martyn (ATU)

11:00am: Break

11:20am: Poster Spotlight Session 1
Yi Ming Tan (MTU)
Brianna Rice (TUS)
Philip Brennan (SETU)
Mohamed Abdelaal (ATU)
Jorge Jimenez Garcia (TU Dublin)
Rossella De Luca (TU Dublin)
Ciara Fitzpatrick (TUS)
Sophie Mulligan (TU Dublin)
Emma Kearney (SETU)
Bienvenido Nolasco (TU Dublin)
Leo O'Connor (TU Dublin)
Kamil Stepniak (ATU)
Megan Curran (ATU)
Ellen Lynch (TU Dublin)

11:45am: Oral Presentations Session 2
Aideen Cooley (TUS)
Tadgh Dulohery (TU Dublin)
Amie McDonald (SETU)
Leanne Kealy (ATU)

12:25pm: Poster Spotlight Session 2
Aisling Mullally (ATU)
Jordan Carty and Liam Clarke (ATU)
Tommy Huang (ATU)
Laura Kestell (TU Dublin)
Susannah McDonagh (ATU)
Enya Gallagher (TU Dublin)
Leon Smith (TU Dublin)
Ruth Ninan (TU Dublin)
Rachel Lynch (SETU)
Adrien Dudon (SETU)
Denise Davey (ATU)
Caitriona McGearty (TU Dublin) & Daniela Maslovska (TU Dublin)
Emma Clarke (TU Dublin)
Kathlyn Feeney (ATU)

12:50pm: Lunch - Pizzas and Posters

2:10pm: Oral Presentations Session 3
Hazel Browne (TUS)
Kate Flanagan (TU Dublin)
Tsz Ching Chan (SETU)
Metodej Dvoracek (TU Dublin)
Eamon Slevin (TU Dublin)

3:00pm: Poster Spotlight Session 3
Ruvimbo Chiweshe (ATU)
Luke Gallagher (ATU)
Julia Lach (ATU)
Sarah Rowlands (ATU)
Óran Meighan (TUS)
Sinéad Nic Sheoin (TU Dublin)
Kate Langley (TU Dublin)
Iain Darroch (TU Dublin)
Lucy Murphy (TU Dublin)
Devon Keogh (TU Dublin)
Michelle Sherry (DKIT)
Thasmin Shahjahan (TU Dublin)
Rebecca Tyldesley (TU Dublin)
Micah Nicole Imperial (TU Dublin)

3:25pm: Voting for Best Oral Presentation

3:30pm: Fireside Discussion – Supervisors' advice on doing an awesome Final Year Project

4:00pm: Awards

4:20pm: Closing Address, Dr Ciarán O'Leary, Conference Co-Chairperson

4:30pm: Close

Voting at SURE 2023

AAt 3:25pm you will be asked to vote for the oral presenter whom you thought best communicated their research. Go to vevox.app (ID: 149-229-083) or scan this QR code to cast your vote.

Career Impact

The SURE Network is delighted to report that it won the Career Impact Strategy Award at the 2023 Education Awards.

The Education Awards 2023
WINNER
Career Impact Strategy Award

Find SURE-J and SUREbyts on the SURE Network website sure-network.ie