



24th International Conference & Exhibition
Monday 10th to Friday 14th June 2024
University College Dublin, Ireland



Dear Delegates,

We very much look forward to welcoming you to euspen's 24th International Conference & Exhibition 2024 which will take place from 10th – 14th June 2024 at University College Dublin (UCD), in Dublin.

This event provides a leading forum for industrialists and academics alike to review the best of world-wide industrial innovation, progressive research and technology developments. Delegates will gain an insight into the precision engineering and nanotechnology priorities of Europe's leading industrial nation.

To help you with your planning, we have provided a summary of key information for the conference. For any questions, please contact info@euspen.eu.

Conference Locations

The conference will take place in three locations within the UCD campus: **O'Reilly Hall**; **O'Brien Centre for Science** and **UCD University Club**.

- [O'Reilly Hall – Google Maps Location](#)
- [O'Brien Centre for Science – Google Maps Location](#)
- [UCD University Club – Google Maps Location](#)

Address:

University College Dublin (UCD)
O'Brien Centre for Science
O'Reilly Hall
Belfield, Dublin 4
Ireland



O'Reilly Hall



O'Brien Centre for Science



UCD University Club (Connected to O'Reilly Hall)

An interactive map of UCD can be found [here](#). Venue, directions and travel information can be found on the venue, travel and social [webpage](#).

UCD Accommodation

If you have reserved accommodation at UCD, please note your room will have a single bed, desk space and a private bathroom. Bed linen, towels and room servicing will be provided.

Please note: Clothes hangers provided may be limited so if you require hangers, you may wish to bring some with you.

Conference Registration

The registration desk will be situated at the main entrance to O'Reilly Hall. Registration times are as follows:

Monday 10th June: Between **14:00 - 16:00** (early registration)

Tuesday 11th June: From **08:00** onwards

Please note: If you are attending a tutorial and/or workshop on Monday 10th June, your conference badge and welcome materials will be given to you at tutorial/workshop registration. You are not required to register again at early registration or on Tuesday 11th June.

Delegate badges must be worn at all times during the conference.

Programme

The full conference [programme](#) is available on the event webpage and a summary of the day's events are detailed below. Please note that all times are shown in British Summer Time (BST).

Date	Programme Summary	Location	Time (BST)
Monday 10th June	<ul style="list-style-type: none"> - Tutorials - Workshops - Early Registration - Welcome Reception 	UCD University Club UCD University Club O'Reilly Hall O'Reilly Hall	08:30 – 11:30 14:00 – 17:00 14:00 – 16:00 18:00 – 20:30
Tuesday 11th June	Conference: Day 1 <ul style="list-style-type: none"> - Keynote Presentations & Oral Sessions - Industry Presentations 	O'Brien Centre for Science O'Brien Centre for Science	09:00 – 17:30
Wednesday 12th June	Conference: Day 2 <ul style="list-style-type: none"> - Keynote Presentation & Oral Sessions - Precision Engineering for Sustainability 2024 - EPC² Presentation - euspen 25th International Conference & Exhibition - Women in Manufacturing Presentation - euspen AGM - Football: Ireland vs The Rest of the World - euspen Talent Programme 2024 - HEIDENHAIN Scholarship Awards - Poster Session - Exhibitor Drinks - Networking Dinner 	O'Brien Centre for Science O'Brien Centre for Science O'Reilly Hall O'Reilly Hall O'Reilly Hall O'Reilly Hall Devlin football pitch O'Reilly Hall O'Reilly Hall O'Reilly Hall Coaches depart from outside UCD University Club at 18:30	08:45 – 17:45 17:45 – 18:30 18:30 – 22:30
Thursday 13th June	Conference: Day 3 <ul style="list-style-type: none"> - Oral Sessions - Poster Session & Poster Awards 	O'Brien Centre for Science O'Reilly Hall	09:00 – 16:20

Tutorial and Workshops - Monday 10th June

The tutorials and workshops will be held in the **UCD University Club**, which is situated next to O'Reilly Hall. Tutorial and workshop registrations will take place the UCD University Club, at which point you will be given your conference delegate badge and welcome pack.

Tutorials	Room	Time (BST)
Tutorial 1: FUNdaMENTALs of Precision Design	Beech Suite	08:30 – 11:30
Tutorial 2: Design of large-stroke flexure-based mechanisms	Cypress Suite	08:30 – 11:30
Tutorial 3: 2D and 3D Roughness measurements for engineers & scientists	Birch Suite	08:30 – 11:30

Workshops	Room	Time (BST)
Workshop 1: Roll-to-roll printing of electronics "Responsive manufacture of thin films"	Cedar/Cypress Suite	14:00 – 17:00
Workshop 2: Precision Engineering principles and Simulation for micro and nano scale applications	Beech/Birch Suite	14:00 – 17:00

Please note: Lunch on Monday is **not** part of the conference registration fee. Delegates will be required to purchase their own lunch. UCD provides a number of restaurants, coffee shops and cafes to purchase food and drink in various locations across campus.

Welcome Reception - Monday 11th June

The welcome reception will be held from **18:00 – 20:30 hrs** on **Monday 10th June**. This year, we will be kicking off the Welcome Reception within the exhibition area of O'Reilly Hall. Designed by renowned architects Scott Tallon Walker the impressive O'Reilly Hall, with its imposing façade.

Our exhibitors are an integral part of our conference, and we invite our delegates to join us with an opportunity to catch-up with old and new friends in one of Ireland's most prestigious venues.

Address:

University College Dublin (UCD)
O'Reilly Hall
Belfield, Dublin 4
Ireland



Travel to the Welcome Reception is **not** provided. Delegates attending the Welcome Reception should make their own way to O'Reilly Hall for **18:00**.

Keynotes

We are delighted to welcome the following three prestigious keynotes who will be presenting at the conference.

Tuesday 11th June



09:20 – 09:50

Prof. Abhay Pandit

CÚRAM- SFI Research Centre for Medical Devices; University of Galway, IE

Dynamic Strategies for Development of Host-Responsive Medical Devices



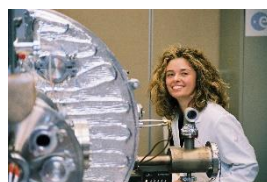
09:55 – 10:25

Prof. Andrew Parnell

Maynooth University, IE

Digital Twins and Artificial Intelligence in Precision Additive Manufacturing

Wednesday 12th June



08:30 – 09:00

Davina Maria Di Cara

European Space Agency (ESA), NL

European Space Agency activities on Electric and Micro Propulsion: technology state of the art and needs for precision manufacturing and verification

Oral Presentations

A detailed timetable of all oral presentations can be found on the conference [programme](#). Questions will be taken in the allocated discussion' slot(s) with each session.

Poster Sessions

All posters will be available to view throughout the conference with poster sessions being held on Wednesday 12th and Thursday 13th June.

Don't forget to vote for your best poster – voting forms can be found at the **euspen** exhibition booth. Voting forms should be placed in the voting box by **12:15** on **Thursday 13th June**. Poster numbers can be found [here](#).

Conference Proceedings & Papers

A digital copy of the conference proceedings will be provided on a USB stick to all delegates during registration. Delegates that have ordered a hard copy of the conference proceedings will be given this at registration.

All papers and an interactive copy of the conference proceedings will be uploaded onto the **euspen Knowledge Base** prior to the conference. These will be found by selecting 'Dublin 2024' under the event dropdown.

The screenshot shows a search interface for conference proceedings. At the top, the word "Proceedings" is displayed in a large, light-colored font. Below this, there are several search filters and input fields:

- Topic:** A dropdown menu with "Any" selected.
- Authors:** A text input field with "Start typing..." placeholder.
- Event:** A dropdown menu with "Dublin 2024" selected.
- Search by Date:** A dropdown menu with "Any" selected.
- Organisations:** A text input field with "Start typing..." placeholder.
- Search by Keyword in Title:** A text input field with "Start typing..." placeholder.
- Search by keywords in paper:** A text input field with "Start typing..." placeholder.
- Resource Type:** A dropdown menu.

At the bottom of the search area, there are two buttons: a green "START SEARCH" button and a red "RESET SEARCH" button.

Exhibition

We look forward to bringing together foremost industry leaders from across the globe. We encourage delegates to visit our exhibitors located in O'Reilly Hall to find out more about the latest advancements and technologies. You will find information about each exhibitor on the [exhibitor webpage](#).

Many of the exhibitors will also be presenting during the integrated **Industry presentation sessions** which will be held on **Tuesday 11th June**. Further information can be found on the event [programme](#).

Exhibitors: AMETEK GmbH, BU Precitech; AMETEK GmbH, BU Taylor Hobson; AMETEK GmbH; BU Zygo; attocube systems AG; Cranfield Precision; Dr Johannes Heidenhain GmbH; Eitzenberger; IBS Precision Engineering; JPE; Kern Microtechnik GmbH; Mad City Labs; Micro-Epsilon; Moore Nanotechnology Systems; MPS Micro Precision Systems AG; Physik Instrumente (PI); Polytec GmbH; Professional Instruments Company; Queensgate (a brand of Prior); Renishaw; Sensofar; SIOS Messtechnik GmbH; STRADA; UpNano.

We are extremely grateful to our exhibitors and conference sponsors who are once again supporting this event.

Football – Ireland v's Rest of the World - Wednesday 12th June

The conference football match has been integrated into the programme and will "kick off" before lunch at **12:00 - 13:00 hrs** on **Wednesday 12th June**.



Football players should make their way to the **euspen** exhibition booth at 11:45 to collect their kit prior to walking to the Devlin football pitch. **Please note:** Football shoes/boots with aluminium cleats are not permitted. Players should bring sports shoes/trainers to play on the astro turf.

Want to show off your hidden professional skills? Join the football team! Email info@euspen.eu to reserve your position on your chosen side.

euspen Council Elections 2024 - Wednesday 12th June

As you may be aware, each year elections take place for a number of seats on **euspen** Council. This year there are three seats available and on behalf of **euspen**'s Nominating Committee, we are pleased to introduce the three candidates standing for election.

- Dr Stefania Gasparin (DK), The LEGO group, DK
- Prof. Geoff McFarland (UK), Renishaw plc, UK
- Prof. Guido Tosello (DK), Technical University of Denmark, DK

Members are invited to vote using the online voting form which closes at **10:00am** (CEST) on **Wednesday 12th June 2023**. Paper voting forms will also be available for members at the **euspen** booth. Voting forms should be placed in the voting box on the **euspen** registration desk by **10:00am** on **Wednesday 12th June 2024**.

Election results will be announced at the 2024 Annual General Meeting at the University College Dublin at **11:50am** on **Wednesday 12th June**.

Conference Networking Dinner - Wednesday 12th June

On **Wednesday 12th June** at **19:30 hrs** there will be our Networking Dinner for conference delegates which will be held at the iconic GUINNESS Storehouse.

The evening will begin with the opportunity to wander, listen and savour the magic of a self-guided tour, experiencing the history, heart and soul of Ireland's most iconic beer before sitting down to a delicious 3-course meal.

Designed in the shape of a giant pint glass, standing seven stories high and if filled, it would hold 14.3 million pints!

If you have booked to attend the networking dinner, confirmation of your reservation will be detailed on your conference badge and will act as your admission ticket.

Please ensure that you bring your conference badge with you to this dinner.

Coaches will depart **promptly** from outside the UCD University Club next to O'Reilly Hall at **18:30**. Return transport to the University College Dublin only will be provided at the end of the networking dinner.



Discover Dublin

Dublin is a bustling city with a population of over 1.7 million and is home to over one hundred different nationalities all of whom contribute to the fabric of Dublin. While it has a genuine cosmopolitan feel, Dublin has still managed to retain its own distinct culture which is expressed in a love of literature, drama, traditional music and sport. When the conference business is over, there is a wealth of activities and culture to explore.

Discover your perfect guide to Dublin. You will find more information on what Dublin has to offer by visiting the following websites:

<https://www.visitdublin.com>

<https://www.lonelyplanet.com/ireland/dublin>

<https://www.cntraveler.com/destinations/dublin>

<https://dublin.ie>

<https://www.introducingdublin.com>

<https://www.dublin.info/facts>

euspen acknowledges Fáilte Ireland and its official business tourism brand 'Meet in Ireland' for their support in our event.

<https://www.meetinireland.com>

<https://www.failteireland.ie>



On behalf of the euspen team, we wish each of you a safe and pleasant journey and look forward to meeting you in Dublin.