



22nd International Conference & Exhibition
Monday 30th May to Friday 3rd June 2022

CERN
Hilton Geneva Hotel and
Conference Centre, Geneva



Dear Delegates,

We very much look forward to welcoming you to euspen's 22nd International Conference & Exhibition 2022 which will take place from 30th May – 3rd June 2022 at the Hilton Hotel & conference Centre in Geneva.

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 Location

Address:

Hilton Geneva Hotel & Conference Centre
Route Francois-Peyrot 34
1218 Le Grand-Saconnex
Switzerland



The Hilton Geneva Hotel & Conference Centre is located on the edge of the city centre, just a few minutes from Geneva's international airport and with excellent connections via road and rail.

Directions and travel information to the hotel can be found [here](#).

Please note there is a free airport shuttle service which runs from/to the airport. Most Geneva hotels also offer free public transport passes. Remember to ask for one if you are staying in a hotel in Geneva.

Don't forget to bring your Swiss plug travel adaptors.

Conference Registration

The registration desk will be situated at the main entrance of Level -1 of the hotel. The registration times are as follows:

Monday 30th May 2022: Between **14:00 - 16:00** (early registration)

Tuesday 31st May 2022: From **08:00** onwards

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 Central European Summer Time (CEST).

Date	Programme Summary	Time (CEST)
Monday 30th May	<ul style="list-style-type: none"> - Tutorials & Workshops - Guided & Technical Tours (CERN) - Welcome Reception 	Information below Information below 18:00 – 20:00
Tuesday 31st May	Conference: Day 1 <ul style="list-style-type: none"> - Keynote & Oral Presentations - Lifetime Achievement Award - Commercial Sessions - euspen Talent Programme 2022 - Student Recruitment Networking Event 	09:00 – 16:55 17:00 – 20:30
Wednesday 1st June	Conference: Day 2 <ul style="list-style-type: none"> - Keynote & Oral Presentations - Poster Session - Commercial Session - euspen AGM - euspen 23rd International Conference & Exhibition - HEIDENHAIN Scholarship Awards - Exhibitor Drinks - Networking Dinner 	08:30 – 18:30 19:00 – 22:00
Thursday 2nd June	Conference: Day 3 <ul style="list-style-type: none"> - Keynote & Oral Presentations - Poster Session 	09:00 – 16:25
Friday 3rd June	<ul style="list-style-type: none"> - Guided & Technical Tours (CERN) 	Information below

Tutorials and Workshops - Monday 30th May

The two tutorials and two workshops will be held at the Hilton Hotel & Conference Centre. A list of tutorials, workshops, rooms, and times are detailed below.

Tutorial Title	Room	Time (CEST)
Tutorial 1: FUNdaMENTALS of Precision Design	Roma	08:30 – 11:30
Tutorial 3: Analysis and Design Concepts for Ultrastable Mechanical Systems: Thermal Effects	Budapest	08:30 – 11:30

Workshop Title	Room	Time (CEST)
Workshop 1: Metrology of machine tools and industrial robots geometry and compliance	Doha	14:00 – 17:00
Workshop 2: European framework for continuous professional development in precision engineering for advanced manufacturing (PREFAM)	Berlin	14:00 – 17:00

CERN Guided & Technical Tours – Monday 30th May & Friday 3rd June

Monday 30 th May	Time (CEST)
Guided Tour	14:00 – 17:00
Technical Tour	13:30 and 15:15

Friday 3 rd June	Time (CEST)
Guided Tour	10:00 – 13:00
Technical Tour	09:30 and 11:15

Delegates who have registered to attend a [tour](#) should arrive 15 minutes prior to the tour to get their badges.

Meeting location:

CERN Visitors Reception
Building 33
1, Esplanade des Particules
1217 Meyrin
Switzerland

[Preparing for your CERN visit | Visit CERN](#)

Travel from Geneva Cornavin train station: Tram to CERN is approx. 20 minutes.

- Take tram 18 to "CERN", which is the terminus. The stop is located between the Globe and the CERN Reception.
- Purchase a "Tout Genève" ticket (3 CHF full fare / 2 CHF reduced fare) at a ticket machine (cash and credit cards accepted) before entering the tram.
- **Please note**, most Geneva hotels offer free public transport passes. Don't forget to ask for one if you are staying in a hotel in Geneva.

By Bus:

- Take bus 68 (direction 'Blandonnet') to the "CERN" stop. There is then a short walk from the CERN bus parking.

Please take note of the important safety rules which you are required to follow whilst on your tour:

<https://visit.cern/safety>

Welcome Reception - Monday 30th June

We look forward to welcoming you to the informal welcome reception which will be held from **18:00 – 20:00**. The venue selected for this pre-conference, informal evening is **The Globe of Science and Innovation at CERN**.

The Globe of Science and Innovation is an emblem for CERN serving science and innovation. 27 meters high and 40 meters in diameter, it's about the size of the dome of Saint Peter's in Rome! A unique visual landmark by day and by night, the Globe of Science and Innovation is a symbol of Planet Earth. It is CERN's outreach tool for its work in the fields of science, particle physics, leading edge technologies and their applications in everyday life.



Delegates attending the welcome reception should make their own way to The Globe for **18:00** using the travel information as detailed in the tour information above. The reception will be held on 1st floor of the Globe. Access to the 1st floor will be possible through the ground floor exhibition between 18.00 and 18.15, and then via the external stairs after 18.15.

Please note that the permanent exhibition [Universe of Particles | Visit CERN](#) located on the ground floor of The Globe will be open for **euspen** guests arriving between 17.45 and 18.15.

Keynotes

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

Tuesday 31st May 2022



09:20 – 09:50

Dr. Rhodri Jones

Head of Beams Department, CERN, CH

Present and future CERN projects and their associated engineering challenges



09:50 – 10:20

Dr. Begoña Vila

US Systems Engineer, NASA GSFC/KBR

The James Webb Space Telescope: On Orbit Commissioning to Ensure Readiness for Science Operations

11:00 – 12:15

Dr. Thomas Sesselmann

DR. JOHANNES HEIDENHAIN GmbH

Geneva's Special Contribution to Precision Manufacturing and Metrology in Europe: A Historical Perspective

Wednesday 1st June 2022



08:30 – 09:00

Prof. Darwin Caldwell

Italian Institute of Technology (IIT), IT

Robotics, AI and assistive technologies for precision medicine

Oral Presentations

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

Poster Sessions

All posters will be available to view throughout the conference with poster sessions being held on Wednesday 1st & Thursday 2nd June. Don't forget to vote for your best poster – voting forms can be found at the **euspen** registration desk and **euspen** stand. Voting forms should be placed in the voting box by **12:00** on **Thursday 2nd June 2022**. Poster numbers can be found [here](#).

Exhibitors

The exhibition hall is full to capacity, and we look forward to an excellent conference bringing together leading experts from across the globe. We encourage delegates to visit our exhibitors to find out more about the latest capabilities and developments. You will find information about each exhibitor on the [exhibitor webpage](#).

Many of the exhibitors will also be presenting during the **commercial sessions** which will be held on Tuesday 31st May and Wednesday 1st June. Further information can be found on the event [programme](#).

Exhibitors: Aerotech, AMETEK Precitech Inc., ASML, attocube, Contour Fine Tooling, Cranfield Precision, Dr. Johannes Heidenhain GmbH, EVIDENT (Olympus), Hexagon | Etalon, Hittech, Huber, IBS Precision Engineering, JPE, Kern Microtechnik, Loxham Precision, Micro-LAM, Micro-Epsilon, MI-Partners, Moore Nanotech, Physik Instrumente (PI), Prior Scientific, Professional Instruments Co., SIOS, SmarAct, Symétrie, Zygo

A big thank you to our conference sponsors and exhibitors who are supporting this event.

Student Recruitment Networking Event - Tuesday 31st May

The student recruitment and networking event is sponsored by ASML and ZEISS and will take place at the Hilton Hotel & Conference Centre from **17:00 – 20:30**.

The aim of this event is to bring together influential industry leaders with high calibre students who have the potential to be future technical experts in leading positions in the field of precision engineering and nanotechnology. This recruitment event will provide ample networking opportunities with plenty of food and refreshments for everyone.

euspen Council Elections 2022 - Wednesday 1st 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.

- Prof. Dr. Andreas Archenti (SE), KTH Royal Institute of Technology, SE (re-standing)
- Mr Thomas Ittner (DE), Zeiss Semiconductor Manufacturing Technology, DE (re-standing)
- Prof. Dr. Ing Jose Antonio Yague-Fabra (ES), University of Zaragoza, ES

Members are invited to vote using the online voting form which closes at **10:00 on Wednesday 1st June 2022**. Paper voting forms will also be available for members only at euspen registration desk and euspen booth. Voting forms should be placed in the voting box on the euspen registration desk by **11:00 on Wednesday 1st June 2022**.

Election results will be announced at the 2022 Annual General Meeting at the Hilton Geneva Hotel & Conference Centre, Geneva, Switzerland, **13:00 on Wednesday 1st June 2022**.

Conference Networking Dinner - Wednesday 1st June

The evening networking dinner cruise of Lake Geneva will take place from **19:00**. The networking dinner is an opportunity to network with colleagues and meet new people whilst enjoying your dinner looking out over the waterways of Geneva, taking in the fabulous views offered by Lake Geneva and the famous Rhône. A simply unforgettable experience!

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.

Coaches will depart promptly from outside the Hilton Hotel & Conference Centre at **18:30**. Coaches will then return to the Hilton Hotel & Conference Centre at the end of the networking dinner.

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



Conference Proceedings & Extended Abstracts

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 also be given this at registration.

All extended abstracts will be uploaded onto the euspen [Knowledge Base](#) on Thursday 26th May 2022.

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