



37th

**INTERNATIONAL CAE
CONFERENCE
AND EXHIBITION**

HYBRID EVENT

2021
POST-EVENT
REPORT

VICENZA, ITALY
17-19 NOVEMBER 2021

ORCHESTRATING DIGITAL TRANSFORMATION THROUGH SIMULATION

Channelling Technology, Processes and People
for Sustainable Competitive Advantage





The 2021 edition was a hybrid event

For the first time, the entire event took place as a hybrid experience, combining the opportunities of attending in-person with all the advantages of a virtual event.

Over its 37 years, the International CAE Conference has striven to provide exhaustive and up-to-date information on engineering simulation – covering the technologies and the knowledge necessary (where, when, why, and how) for their successful use. Over the past few years, the International CAE Conference’s focus has broadened to include the interactions with the other technologies that enable digital transformation. These are an essential and substantial part of any successful process, which itself necessitates temporal sustainability and value. The presumption is that engineering simulation both choreographs and orchestrates a sustainable and effective transformation process.

The 2021 edition focused on the trends, technologies, issues and how-to’s of sustainable and successful digital transformation and the key role that engineering simulation has to play in achieving the desired outcome.

The sessions were live – by connecting to the platform, speakers and delegates could participate from wherever they were.

This year, after all the initial global lockdowns, a strong emphasis was placed on interaction between people: the hybrid format meant that people could physically meet while the platform also managed Events and Matchmaking supported by Artificial Intelligence.

Exhibitors and speakers could engage with participants, generate physical or online appointments, stream events and share content, while participants were able to contact other participants and/or exhibitors to schedule appointments, chat, view content and presentations and much more.

There were 1,344 individual participants over the three days, including those that participated in person, and those that attended online, with an average of about 400 attendees per day.

The organizers are satisfied with this result: despite the difficulties that persist with regard to physical mobility as a result of the COVID pandemic, people from all over Europe, the United States and Asia attended.


In addition, this edition was a **zero-emissions event** due to a collaboration with the organization PHORESTA Onlus to offset the CO₂ emissions generated.

The numbers of the 37th edition

3  Conference and
Exhibition **Days**

19  **Events** streamed live

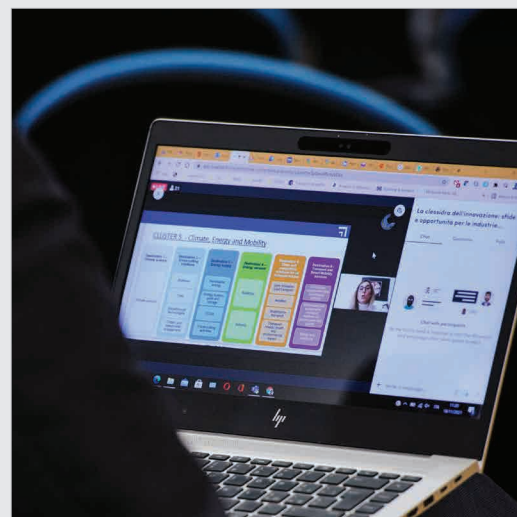
75  **Speakers** – either on-site
or connecting remotely

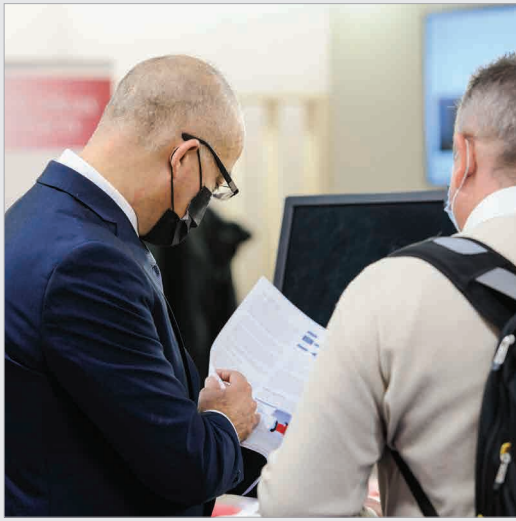
24  Physical and/or virtual
Exhibitors

48  Poster Award
Finalists

11  Projects in the
Research Agora

1,344  Total **Attendee**





Event Experience

There was a full schedule: **two inspirational presentations**, namely “A stroll on Mars” and “Origami engineering nurtured by Japanese folding culture”, as well as **two special events**, “Italian Pathways to the Digital Future: an overview of the country’s economic recovery and the paths to creating an innovative Italy” and “The hourglass of innovation: challenges and opportunities for European industries”.

The **four technical breakout sessions** in the Automotive, Energy, Manufacturing and Transportation sectors opened with a relevant thought leadership keynote speaker addressing the practical application of engineering simulation to real-world challenges in that sector. Each was followed by detailed technical sessions.

Ten special events, organized by exhibitors, focused on deep-dive content.

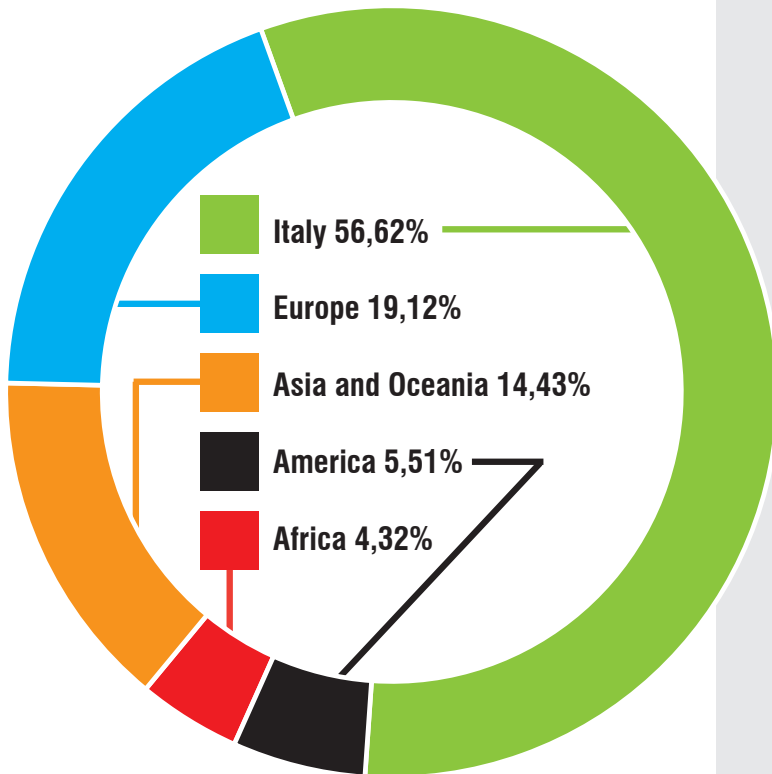
The exhibition, which took place in parallel with the conference, hosted a substantial selection of big-name players in the engineering simulation market. From their virtual and/or physical stands, they were able to interact directly, remotely or on site, with participants and present their application expertise, detailed product demonstrations, explicative videos and more. The virtual platform ensured simple and effective B2B networking powered by AI matchmaking, the key innovative feature this year.

Public and private research bodies and academic institutions participated substantially in the hybrid event. Numerous research consortia highlighted the progress of their projects in the **Research Agorà**, the area, both physical and virtual, dedicated to the dissemination of research.

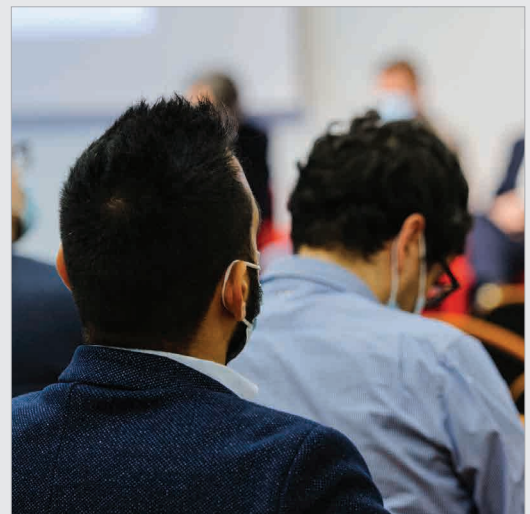
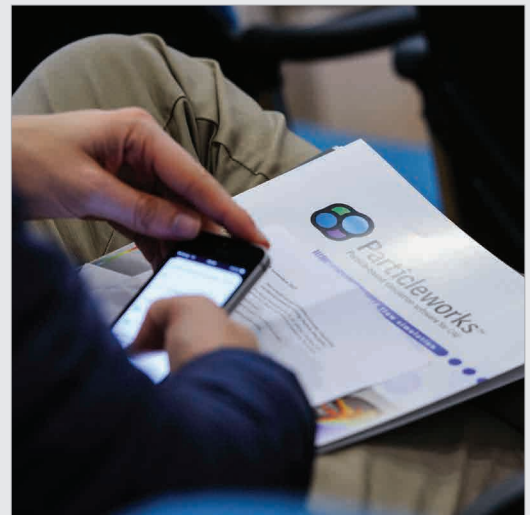
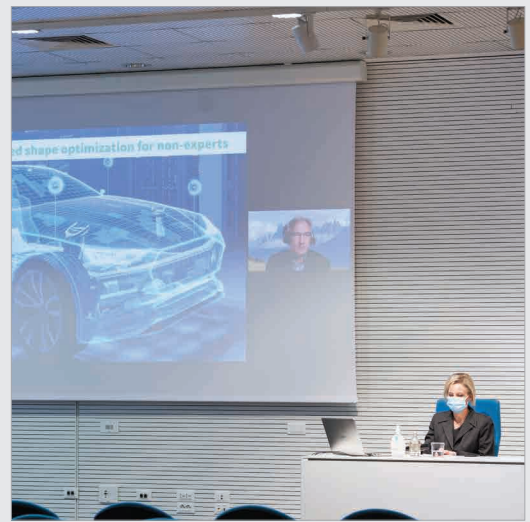
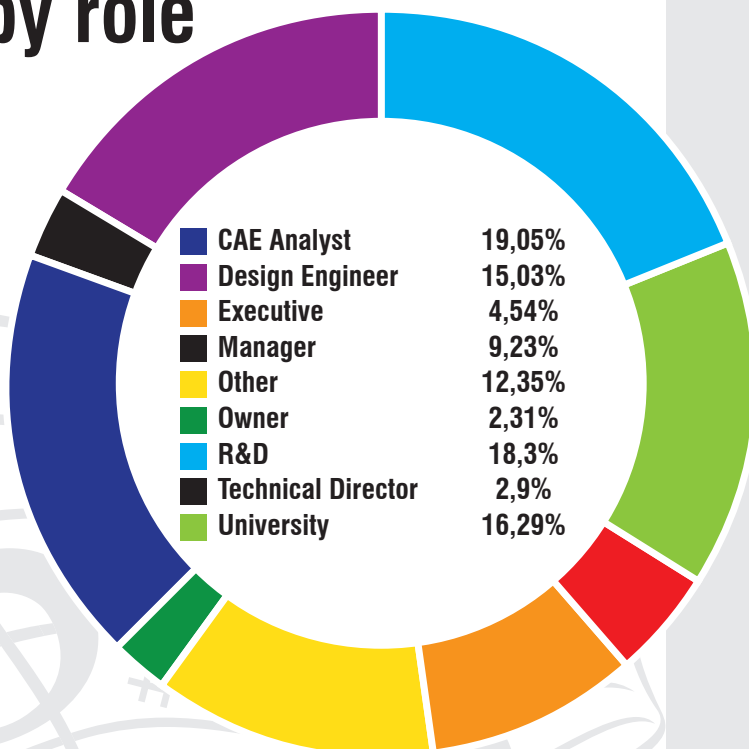
The **Poster Awards**, the now traditional competition that recognizes the creative use and application of CAE technologies by students around the world, turned 10 years old this year and awarded 5 winners from among 48 poster finalists, all of very high quality.

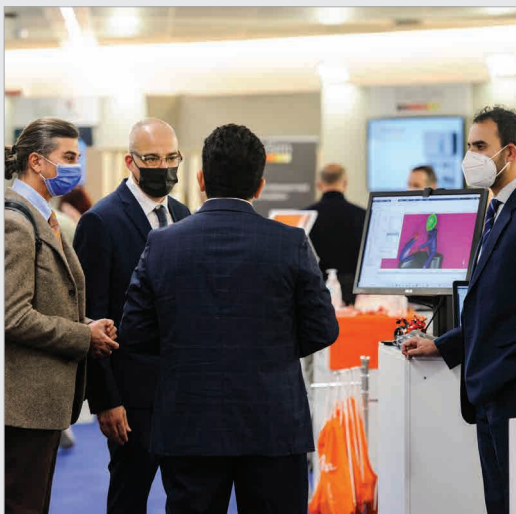
All video recordings and conference papers are now freely available at:
proceedings2021.caeconference.com

Participants by geographic region



by role





Participant Experience

- + The **three-day event** offered a rich and targeted program in which remote attendees could participate virtually in the “live” event and enjoy the same experience as the delegates present physically.
- + **Unlimited access** after the event to all the content in the proceedings area of the website, available online from January 2022.
- + **The ability for delegates to select the content** they wished and wish to consume based on sector, business, and technology imperatives.
- + **Participation and attendance could be customized** according to the sessions, speakers, and exhibitors of interest and based on individual time constraints and personal convenience.
- + **Access research findings** and identify relevant research consortia for inspiration, guidance, and insight on real-world challenges.
- + **Identify resources and assistance available to support innovation**, directly from the entities and funders.
- + **Engage** with exhibitors, speakers and other participants via the event’s numerous channels and opportunities.
- + Identify and **organize B2B meetings** with other industry professionals, researchers, innovators, and trainers.
- + Network with the **major industry bodies and associations, research institutions, research consortia and technology competence centers** from across Europe and the globe.

Exhibitors and sponsors

		 ANALYSIS, SIMULATION AND SYSTEMS ENGINEERING SOFTWARE STRATEGIES		 The 3DEXPERIENCE [®] Company
		 COMPUTER ENGINEERING	 BY MAGNA POWERTRAIN	 SIMULATION ENVIRONMENT
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 TECHNOLOGY AND SOFTWARE FOR FLUID DYNAMICS	 PROMETECH.	 PIPING AND EQUIPMENT ANALYSIS & SIZING SUITE	 cardanit	
				
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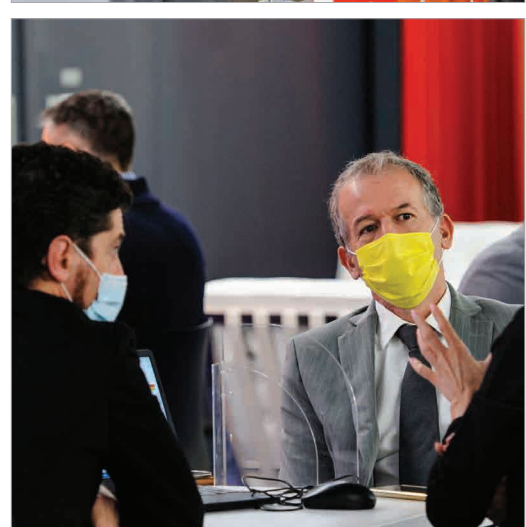
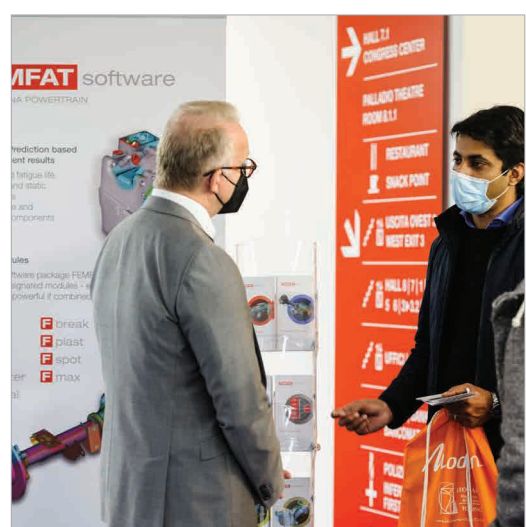
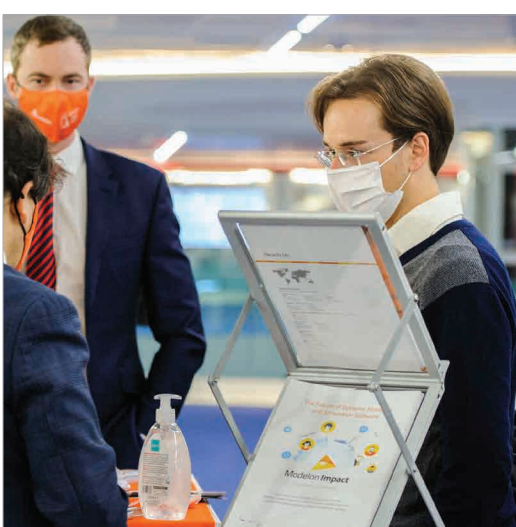
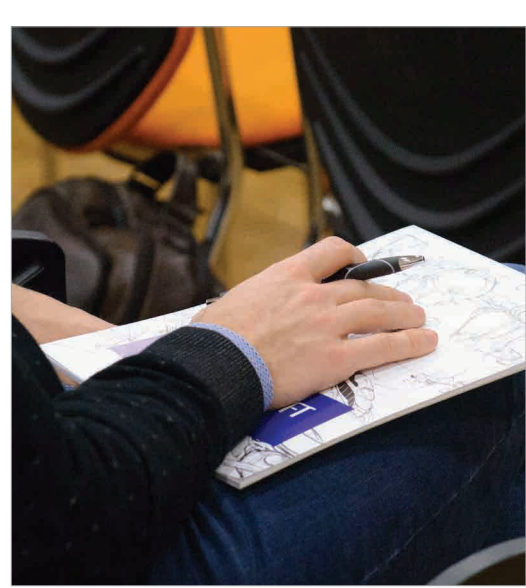


Exhibitor, and Sponsor Experience

- + Conveniently **reach a broad international audience** by connecting to the platform which allowed speakers and delegates to participate from wherever they were.
- + Leverage a **valuable showcase of their event content**, which is additionally made freely available in the proceedings area of the event website from January 2022.
- + **Communicate** technological development, product functionality, application security, and software usability to qualified users.
- + Identify available **resources and assistance** to drive and **support innovation**, directly from the entities and funders.
- + Attract, **identify and engage with attendees** interested in becoming distributors or resellers, as well as with **new potential customers**.
- + Access various levels of **granular information** about the participants, in respect of the European GDPR regulations.
- + Meet **managers and decision makers** from a **variety of industry sectors** around the world including aerospace, defense, energy, oil and gas, automotive, manufacturing, construction, and consumer goods.
- + Network with the **major industry bodies and associations, research institutions, research consortia** and **technology competence centers** from across Europe and the globe.

Promoters and Media partners







Thanks

The organizers extend a heartfelt thanks to all those individuals and organizations that participated in the 2021 hybrid event.

Each year, the organizers seek to learn from the challenges, and to build on the successes of the event in order to ensure that the International CAE Conference and Exhibition maintains its reputation as the premier, longest running, and not-to-be-missed engineering simulation event in the world.

A special thanks to the speakers, the sponsors, the associations, centers of excellence, and agencies that promote and support digital transformation and innovation, the research groups, the students and researchers, the participants and visitors, the media and promotion agencies that contributed to this year's event.

See you at the next edition!



INFOLINE

info@caeconference.com



+39 0461 979 474



www.caeconference.com