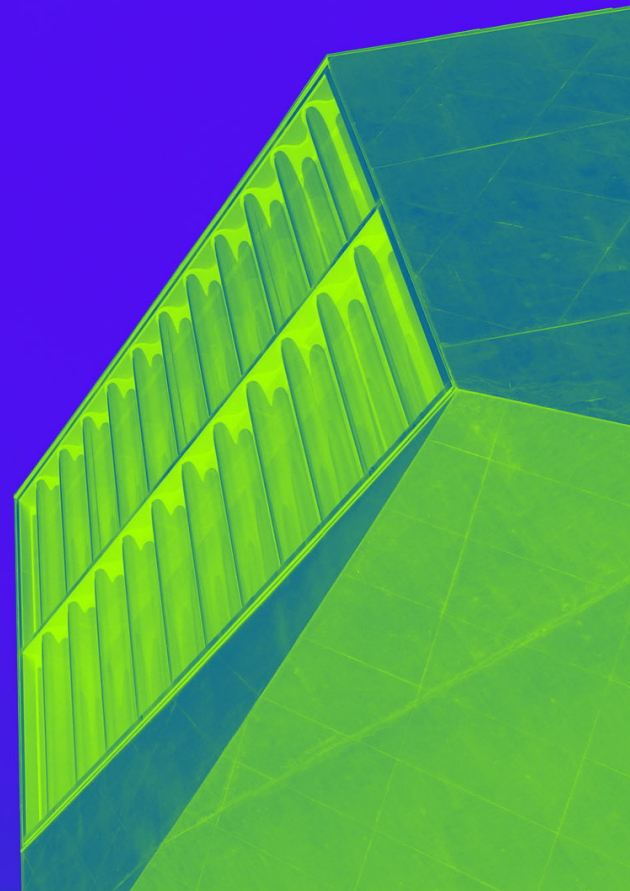


YIC23

ECCOMAS
7th YOUNG
INVESTIGATORS
CONFERENCE

FEUP
19—21
JUNE
2023



EVENT SPONSORSHIP



GENERAL INFORMATION

OBJECTIVES

ECCOMAS YIC is a congress for **young researchers** in the early stages of their scientific activity, aiming to promote relevant works in the area of **computational solids and structural mechanics**. This event seeks to be an opportunity for the exchange of experiences and contacts between researchers of different nationalities, in order to build valuable networks of international partnerships.

Companies and institutes are invited to participate in this initiative to present **their perspective in the discussion** of the most important challenges underlying several engineering and industrial fields that will be broadly in focus in the Conference. Furthermore, the event will bring together **highly qualified** young researchers who certainly want to strengthen their collaboration with industry, thus offering to the participating companies and institutes **a unique and international dissemination platform**.

Partners joining us in this event will enjoy a number of benefits depending on their contribution.

ECCOMAS YIC2021 (key figures)

In 2021, the 6th edition of ECCOMAS YIC was digital and involved:

- 246 abstracts, presented in 8 parallel sessions;
- 18 minisymposiums;
- 1 career forum;
- 4 invited plenary speakers.

ECCOMAS YIC2023 (key figures - projections)

The 7th edition of ECCOMAS YIC wants to go even further and promote the participation of more than two hundred students from **different countries**, but also aims to capture the participation of several companies and institutes from **different industrial fields** looking for **young talents**.

In 2023, the 7th edition of ECCOMAS YIC should involve:

- 250 abstracts, presented in at least 5 parallel sessions;
- 15-20 minisymposiums;
- 1 network session and 1 round table;
- 3 invited plenary speakers.

This edition aims to be **face-to-face** and large-scale.

MAIN TOPICS OF THE CONFERENCE

The conference will provide a wide range of themes for young researchers present their work, **giving also to companies and institutes a valuable opportunity** to discuss with academia new trends and hot topics.

Computational Solids and Structural Mechanics

- Materials science (composites, soft tissues, shape memory, polymers, porous media, crystalline materials, metamaterials and architected materials)
- Multiscale and multiphysics modelling
- Beams, plates and shells
- Contact, friction and computational tribology
- Plasticity, fracture and damage mechanics
- Dynamics multiscale modeling.

Computational Fluid Mechanics

- Fluid dynamics
- Transport phenomena
- Multiscale and multiphysics in CFD simulations
- Simulation of turbulent flow
- Non-Newtonian fluids
- Atomization and fragmentation of fluids.

Computational Applied Mathematics

- Approximation techniques (FEM, FV, DEM, BEM, PUM and meshless methods, isogeometric analysis, phase-field modelling)
- Domain decomposition methods
- High order methods
- Coupling strategies (Fluid-structure interaction, multi-model, multiscale)
- Optimal control
- Error estimation and mesh/modeling adaptation
- Stochastic approaches, Uncertainty quantification
- Inverse problems
- Model reduction
- Machine learning and data-driven approaches.

Scientific Computing

- Algorithms
- Parallel computing
- Code development
- High Performance Computing
- Image processing
- Mesh generation.

Industrial Applications and Challenges

- Engineering optimization
- CAD Integration
- Multiscale and multiphysics applications
- Processes and manufacturing
- Biomechanics
- Nanotechnologies
- Crash and impact simulation

CONFERENCE LAYOUT

A preliminary programme for the conference is currently available:

	Monday (19/06/2023)	Tuesday (20/06/2023)	Wednesday (21/06/2023)
09:00 - 09:30	Opening session		
09:30 - 10:00	Plenary Session I	Parallel Session IV	Parallel Session VII
10:00 - 10:30			
10:30 - 11:00	Coffee break	Coffee break	Coffee break
11:00 - 11:30	Parallel Session I	Parallel Session V & Ph.D. Olympiads	Parallel Session V & Ph.D. Olympiads
11:30 - 12:00			
12:00 - 12:30			
12:30 - 13:00	Lunch	Lunch	Lunch
13:00 - 13:30			
13:30 - 14:00			
14:00 - 14:30	Parallel Session II	Parallel Session VI	Plenary Session III
14:30 - 15:00			
15:00 - 15:30	Coffee break	Coffee break	Round Table
15:30 - 16:00			
16:00 - 16:30	Parallel Session III	Plenary Session II	Closing session
16:30 - 17:00			
17:00 - 17:30	Welcome Reception	Networking Activities	
17:30 - 18:00			
18:00 - 18:30			
18:30 - -		Conference Banquet	Pub Crawl

Note: this is a preliminary version that may be modified; + info: www.fe.up.pt/yic2023

SESSIONS TOWARDS INDUSTRY

SPECIAL EVENTS INVOLVING INDUSTRIAL STAKEHOLDERS

Roundtables: parallel sessions of wide and fruitful discussion will take place with the aim of addressing several subjects relevant for young researchers, namely: i) opportunities and strategies to attract research funding; ii) management of an academic and professional career; and iii) direct engagement with industrial partners.

Networking: tutorial sessions aimed at promoting a special closeness between the speaker and the attendees will be planned within the topics covered also in the roundtables. Proximity will be the key to these sessions, allowing a didactic environment for sharing experiences.

PARTICIPATION OF SPONSORS

The potential participation of sponsors in these sessions will be defined after contact with the organizing committee.

SUPPORT OPPORTUNITIES

WHY SUPPORT ECCOMAS YIC2023?

The Organizing Committee of ECCOMAS YIC2023 invites your company to sponsor the 7th edition of the Conference, since this international event offers several valuable possibilities. Partners will have an excellent opportunity to communicate on industry and companies expectations regarding the skills of Young Investigators.

Your business organization will be able to present their core business, products and solutions, as well as career opportunities.

Sponsor contributions will keep the registration fee as low as possible, sending a clear message that your company values scientific research and innovation.

The Organizing Committee of ECCOMAS YIC2023 suggests three supporting options. Your company may choose between Gold, Silver or Bronze sponsorship, according to the opportunity that best suits to your expectations. The benefits of each type of sponsorship can be found in the next page.

Advantages & Benefits	Bronze Sponsor	Silver Sponsor	Gold Sponsor
Company's logo appearing on the conference website linked to sponsor webpage	✓	✓	✓
Company logo on roll-up/moophie	Small	Medium	Large
Sponsor's publicity material and memorabilia in the attendee's courtesy pack	X	X	✓
Projection of the company logo during plenary sessions	Small	Medium	Large
Advertising in the digital booklet	¼ Page	½ Page	1 Page
Area for exhibition stand (2x3 m ²)	X	X	✓
Admissions to the conference	1	2	3
Access to the car park	X	1	1
Acknowledgement as a sponsor in the plenary sessions	X	X	✓
Sponsorship contribution	500 € *	1000 € *	2000 € *

* To the value presented, it must be added the VAT rate in force.

OTHER SUPPORTING OPPORTUNITIES

The Organising Committee of ECCOMAS YIC2023 is open to alternative proposals to support the event, namely:

- Equipment and materials;
- Souvenirs for the invited speakers;
- Awards: Best Paper, Best Oral communication;
- Others to be discussed.

These contributions will be acknowledged on the website and during the event, receiving formal recognition.

Additional information via e-mail: yic2023@fe.up.pt

We hope to be able to count on you as an involved part of this initiative!

TERMS AND CONDITIONS

- Sponsorship of the event implies acceptance of the following terms and conditions:
- Alternative proposals to the three supporting solutions should be discussed and approved by the Organising Committee of ECCOMAS YIC2023;
- Once the invoice has been issued, the support cannot be returned or transferred;
- The sponsoring company agrees to comply with these rules. Sponsors or their representatives who do not comply with these conditions or who, in the opinion of the Organising Committee of ECCOMAS YIC2023, behave unethically, may be immediately removed from the event without refund or other compensation;
- The Organising Committee of ECCOMAS YIC2023 shall not be liable for delays, damage, losses, increased costs or other unfavourable conditions resulting from causes not reasonably within the control of this Committee;
- The eligibility of any sponsor or sponsorship is decided by the Organising Committee of ECCOMAS YIC2023;
- The Organising Committee of ECCOMAS YIC2023 has the right to assess the eligibility of any marketing material before its dissemination/distribution. The distribution of items without the prior approval of the Organising Committee of ECCOMAS YIC2023 will not be guaranteed;
- The sponsor must provide its logo in a high quality format as a mandatory requirement to be used in the Conference. Both the logo and the link to the company website must be submitted no later than the scheduled date to be communicated by e-mail;
- Late changes to the logo, link to the company website or merchandising materials will not be guaranteed.

ADVISORY COMMITTEE

Álvaro Cunha, Civil Engineering (Construct) (acunha@fe.up.pt)
António Abel Henriques, Civil Engineering (Construct) (aarh@fe.up.pt)
António Arêde, Civil Engineering (Construct) (aarede@fe.up.pt)
António Viana da Fonseca, Civil Engineering (Construct) (viana@fe.up.pt)
Carlos Conceição António, Mechanical Engineering (LAETA) (cantonio@fe.up.pt)
Elsa Caetano, Civil Engineering (Construct) (ecaetano@fe.up.pt)
Fernando Pinho, Mechanical Engineering (FEUP) (fpinho@fe.up.pt)
Francisco Pires, Mechanical Engineering (LAETA) (fpires@fe.up.pt)
Humberto Varum, Civil Engineering (Construct) (hvarum@fe.up.pt)
João Tavares, Mechanical Engineering (LAETA) (tavares@fe.up.pt)
Jorge Belinha, Mechanical Engineering (LAETA) (jbelinha@fe.up.pt)
José César de Sá, Mechanical Engineering (LAETA) (cesarsa@fe.up.pt)
Marcelo Moura, Mechanical Engineering (LAETA) (mfmoura@fe.up.pt)
Mário Pimentel, Civil Engineering (Construct) (mjsp@reit.up.pt)
Pedro Camanho, Mechanical Engineering (LAETA) (pcamanho@fe.up.pt)
Pedro Leal Ribeiro, Mechanical Engineering (LAETA) (pmleal@fe.up.pt)
Renato Natal, Mechanical Engineering (LAETA) (rnatal@fe.up.pt)
Rui Calçada, Civil Engineering (Construct) (ruiabc@fe.up.pt)
Rui Miranda Guedes, Mechanical Engineering (LAETA) (rmguedes@fe.up.pt)

ORGANISING COMMITTEE

CHAIRS OF THE ORGANISING COMMITTEE

Ana Ramos, Civil Engineering (Construct), Chairwoman (aramos@fe.up.pt)
Carolina Furtado, Mechanical Engineering (LAETA), Co-Chairwoman (cfurtado@fe.up.pt)

ORGANISING COMMITTEE

Aires Colaço, Civil Engineering (Construct) (aires@fe.up.pt)
Albertino Arteiro, Mechanical Engineering (LAETA) (aarteiro@fe.up.pt)
André Furtado, Civil Engineering (Construct) (afurtado@fe.up.pt)
Cláudio Horas, Civil Engineering (Construct) (claudiohoras@fe.up.pt)
Igor Lopes, Mechanical Engineering (LAETA) (ilopes@fe.up.pt)
Rodrigo Carvalho, Mechanical Engineering (LAETA) (rcarvalho@fe.up.pt)
Sérgio Pereira, Civil Engineering (Construct) (sbp@fe.up.pt)