

About Algarve

The Algarve, in southern Portugal, is a unique place in the world, thanks to its 150 kilometers of coastline overlooking the Atlantic Ocean. The region is the perfect blend of nature and cultural heritage, and is one of the most touristically developed in all of Europe.

Often hastily labeled as the region of mass tourism in Portugal, the Algarve still offers the curious traveler numerous opportunities for a vacation full of culture and nature.

Beautiful beaches of fine sand and crystal clear waters, high cliffs against which thundering waves break, romantic sunsets over the sea, pretty urban centers, walks through parks and nature reserves are just some of the wonders that await you if you decide to continue your vacation to Lisbon with a detour to the south.

Due to its mild climate, the Algarve can be visited all year round. During the summer you will have the opportunity to soak up the sun and cool off with a dip in the sea. World Heritage Site.



IWINAC/ICINAC '24

Invited Speakers

- Dr. Hojjat Adeli, Ohio State University (USA)
- Dr. Zidong Wang, Brunel University (U.K.)
- Dr. Nuno M. Garcia, Universidad de Lisboa (Portugal)
- Dr. Asoke Nandi, Brunel University (U.K.)

Special Issues (Expected)

- International Journal of Neural Systems (8.0)
- Integrated Computer-aided Engineering (6.5)
- Expert Systems (3.3)
- Natural Computing (2.1)

10th International Conference on the Interplay between Natural and Artificial Computation

Olhão, Algarve (Portugal)
Hotel Real Marina
May 31 - June 3, 2022

Organized by.



Technical Secretariat
BCD travel
Avd. Maisonnave 11 - 7
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Phone: (+34) 965 228 393
email: eventos.alc@bcdme.es

Sponsored by.



Universidad Politécnica de Cartagena



EUROPEAN UNIVERSITY OF TECHNOLOGY
"Think human first"



UNIVERSIDAD DE GRANADA



UAlg

UNIVERSIDADE DO ALGARVE

Scope

The global purpose of this interdisciplinary meeting is to offer a forum for discussion and exchange of ideas between scientists and engineers, trying to contribute to the answer of two basic questions:

- What can Physics, Mathematics, Engineering, Computation, AI and KE contribute to the understanding of Nervous System, Cognitive Processes and Social Behavior?
- How can Physics, Engineering, Mathematics, Computation, AI and KE find inspiration in the behavior and internal operation of physical, biological and social systems to conceive, develop and build new concepts, materials, mechanisms and algorithms of potential value in real world applications?

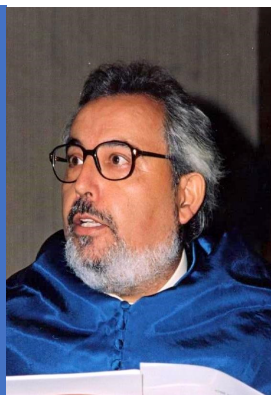


Registration modes

- **"Standard"** registration fee includes attending the sessions, coffee breaks, lunches, social events, official dinner and the Conference Proceedings.
- **"Attendant A"** registration fee includes the same as Standard, except the Conference Proceedings.
- **"Attendant B"** registration fee only includes social events and official dinner.
- **"2nd paper and more"** registration includes only conference proceedings.
- Registration fees of at least one author for each accepted paper should be paid in full before submission to press (21/4/2024)

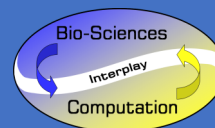
José Mira's awards

Two prizes, honoured by the name of our founder, Prof. José Mira will be conceded at the end of the Official Dinner. One for the Best paper in Artificial computation and one for the Best paper in Natural computation. Both prizes will consist of an invitation to publish in one of the special issues of the congress and a full registration of one author in the next IWINAC event.



IWINAC Conferences Honorary Chairs

Prof. Hojjat Adeli (USA)
Prof. Rodolfo Llinás (USA)
Prof. Zhou Changjiu (Singapur)



IWINAC Conferences General Chairman
José Manuel Ferrández Vicente (UPCT)

IWINAC Conferences Organizing Committee
Juan Manuel Gorriz (UGR)
Mikel Val (UMU)

IWINAC'24 Local Organizing Committee

Hugo Gamboa (NOVA)
Joao de Sousa (UAlg)
Pedro Gómez Vilda (UPM)
Simao Souza (UAlg)
Margarida Madeira (UAlg)
Jaime Martins (UAlg)
Carla Quintao (NOVA)
Luis Silva (NOVA)

IWINAC'24 important deadlines

Full paper submission due:	February 28, 2024
Acceptance notification:	April 1, 2024
Start of registration:	April 1, 2024
End of "early bird" registration:	April 30, 2024
Conference date:	May 31- June 3, 2024

Registration fees ("early bird"/normal)

• Standard	€ 525 / € 625
• Session organizer	€ 425 / € 525
• Workshop organizer	€ 375 / € 475
• Attendant A	€ 200 / € 225
• Attendant B	€ 125 / € 150
• 2nd paper and more	€ 325 / € 375

Call for Papers

The Program Committee requests original papers on the topics of the conference.

All accepted papers will be published in the proceedings by Springer in the LNCS series. Please check terms, conditions and topics at <http://www.iwinac.eu>

Call for pre-organized sessions

The Program Committee is requesting proposals for pre-organized sessions. Information about pre-organized sessions can be found also in our web.

The organizers (up to two) of effective pre-organized sessions will benefit from a discount on registration fees.

Call for pre-organized Workshops

Pre-organized sessions with 10 or more participants will be considered as Workshops.

The organizers (up to two) of effective workshops will benefit from a discount on registration fees.

Topics

Physical Level:

Computational Neuroscience, Bio-inspired Electronics & Computation, Sensory & Motor Prostheses, Neurolinguistics, Neuroplasticity, Neuromorphic Computing, Neural Regeneration, tDCS.

Symbol Level:

Neural Coding & Neuro-informatics, Evolutionary & Soft computing, Deep Learning, Big Data. Affective Computing & Emotional Technologies.

Knowledge Level:

Cognition, Explainable & Ethical AI, Applications in Biology and Health Care, Precision Medicine, Robotics & HCI, Gerontechnology, Biometrics, Medical Images, Speech Processing & Analysis, Ambient Assisted Living, other application domains.

Check the complete topic list at www.iwinac.eu