

Congress venue
 Hotel Meliã María Pita
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Technical Secretariat



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Registration fees

The registration fee includes attending the sessions, coffee breaks, lunches, social events, official dinner and the Proceedings of the Work-Conference.

"Attendant A" registration fee only includes lunches, social events and official dinner.

"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 (April 21, 2017).

Type	Before 30 April	After April 30
Standard	€ 525	€ 625
Session Organizer	€ 425	€ 525
Attendant A	€ 200	€ 225
Attendant B	€ 125	€ 150
2nd paper and more	€ 325	€ 375

IWINAC 2017 important deadlines

Full paper submission due: January 31, 2017
 Acceptance notification and start of registration: April 1, 2017
 End of reduced fee for early registration: April 30, 2017
 Conference date: June 19-23, 2017

IWINAC 2017 official web:
<http://www.iwinac.org>

IWINAC 2017

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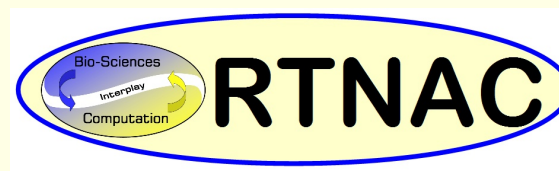
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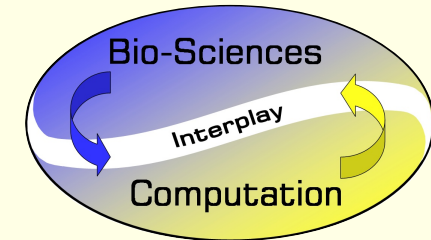


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IWINAC 2017



7th INTERNATIONAL WORK-CONFERENCE
 on the INTERPLAY between
 NATURAL and ARTIFICIAL COMPUTATION

Call for Papers



Hotel Meliã María Pita,
 A Coruña, (Spain)
 June 19-23, 2017

Organized by:
 Universidad Nacional de Educación a Distancia
 and Universidad Politécnica de Cartagena
 in cooperation with:
 Universidade da Coruña
 and UNED- Coruña Associated Center
 Sponsored by:
 Red Nacional en Computación Artificial y Natural
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IWINAC 2017 official web:
<http://www.iwinac.org>

Call for Papers

The seventh "International Work-conference on the Interplay between Natural and Artificial Computation" (IWINAC-2017) will take place in A Coruña, Spain.

Location

A Coruña is a beautiful coastal city in the northwest corner of Spain. It is an Atlantic city with a moderate climate in the autonomous community of Galicia. It is right by the sea, boasting a beach within 1 minute walking distance from the conference hotel and has a very lively social atmosphere. It is an ancient city. In its area there are many Iron Age settlements, and its main lighthouse -the "Torre de Hércules"- which was declared World Heritage site in 2009, is the oldest working lighthouse in the world. It has been guiding seamen since the times of the ancient Romans. The streets, churches and small squares of the old city are fine examples of the work carried out during the Middle Ages. Since the end of the nineteenth century, A Coruña has become an important trading, administrative and industrial centre.

Scope

This interdisciplinary meeting, with focus on the interplay between Nature and Computation, expands the scope of neural computation at the physical level to cope with symbols and knowledge level models of cognitive and social processes. The global purpose is to offer a forum for discussion and exchange of ideas between scientists and engineers from fields such as Electronic Engineering, Artificial Intelligence, Knowledge Engineering, Physics, Mathematics, Computation, Artificial Vision, Situated Robotics, Neurophysiology, Cognitive Science, Linguistics and Philosophy, trying to contribute to the answer of two basic questions:

What can Physics, Mathematics, Engineering, Computation, Artificial Intelligence (AI) and Knowledge Engineering (KE) contribute to the understanding of Nervous System, Cognitive Processes and Social Behavior?

How can 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?

Topics

Computational Neuroscience & Biomedical Engineering

- Neural Modeling
- Perceptual Motor & Associative Mechanisms
- Multisensorial Coding
- Neuro-simulators
- Cognitive Processes Modeling
- Perception, Memory, Decision Making and Learning
- Brain Interfacing
- Brain Imaging
- Consciousness

Bioinspired Computation & Engineering

- Evolvable Hardware
- Bionic Prostheses & Sensory Supplencies
- Evolutionary Computation
- Probabilistic methods
- Self-organizing & Collective Emerging Computation
- Symbolic-Connectionist Hybrid Approaches
- Bioinspired AI & KE
- Artificial Vision & Robotics
- Health Technologies
- Other Bioinspired Applications

Please, find extended descriptions of the topics in the webpage:

<http://www.iwinac.org>

Paper Submission

The Program Committee requests original papers on the topics listed before. All accepted papers will be published in the proceedings by Springer-Verlag in the Lecture Notes on Computer Science series. Please check terms and conditions for publication at <http://www.iwinac.org>

Special Issues of selected Journals (expected)

The best papers will be selected by the scientific committee to be included as an extended version in special issues of relevant Journals:

- International Journal of Neural Systems (JCR IF 6,085)
- Integrated Computer-aided Engineering (JCR IF 4,981)
- Frontiers in Computational Neuroscience (JCR IF 2,653)
- Pervasive and Mobile Computing (JCR IF 1,719)
- Natural Computing (JCR IF 1,310)
- Expert Systems (JCR IF 0,947)

Call for pre-organized sessions

The Program Committee is requesting proposals for pre-organized sessions on one of the topics or related to the global scope presented above. Also, new sessions on the interdisciplinary spirit of the interplay between natural and artificial computation are welcome. Prospective organizers should contact the organizers at info@iwinac.org as soon as possible. Information about current pre-organized sessions and further details for prospective organizers can be found at <http://www.iwinac.org>. The organizers of effective pre-organized sessions will benefit from a discount on registration fees.

Invited Speakers

Prof. Hojjat Adeli, Ohio State University (USA)
Prof. Manuel Graña, Universidad del País Vasco (Spain)
Prof. Martin Greschner, Carl von Ossietzky Univ. Oldenburg (Germany)
Prof. Gusz Eiben, Vrije Universiteit Amsterdam (The Netherlands)

General Chairman

José Manuel Ferrández Vicente UPCT (Spain)

Organizing Committee

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Félix de la Paz López, UNED (Spain)
Javier Toledo Moreo, UPCT (Spain)

Organization e-mail: info@iwinac.org

Local Organizing Committee (UDC) Spain

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José Santos Reyes	Fernando López Peña
José Antonio Becerra Permuy	Álvaro Deibe Díaz
Francisco Bellas Bouza	Blanca Priego

IWINAC Honorary Chairs

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

Doctoral Consortium

The second IWINAC Doctoral Consortium will take place in conjunction with IWINAC 2017. It will provide an opportunity for graduate students to explore their research interests in an interdisciplinary workshop, under the guidance of a panel of distinguished experts in the field. To apply for participation in the Doctoral Consortium, please visit our website:

<http://www.iwinac.org/iwinac2017/doctoralconsortium/>

Chairperson: Darío Maravall Gómez-Allende (UPM) Spain

Scientific Committee

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