5th Advanced Course and Symposium on Artificial Intelligence & Neuroscience – ACAIN 2025

An Interdisciplinary Residential Course and Symposium: AI, Neuroscience, Cognitive Science without Borders

September 21 – 24, Riva del Sole Resort & SPA, Castiglione della Pescaia (Grosseto) Tuscany, Italy

https://acain2025.icas.events/

acain@icas.cc

Schedule Ver. 1.1, April 10th, 2 pages – This schedule is tentative and subject to change.

	Sun, 21 Sept	Mon, 22 Sept	Tue, 23 Sept	Wed, 24 Sept
09:00 – 09:50		Lecture	Session	Free time
09:50 – 10:40		Lecture	Session	Free time
10:40 – 11:20	Coffee break	Coffee break	Coffee break	Free time
11:20 – 12:10	Opening/Lecture	Lecture	Session	Free time
12:10 – 13:00	Lecture	Lecture	Session	Free time
13:00 – 15:00	Lunch	Lunch	Lunch	Lunch
15:00 – 15:50	Lecture	Lecture	Session	Session
15:50 – 16:40	Lecture	Lecture	Session	Session
16:40 – 17:20	Coffee break	Free time	Coffee break	Coffee break
17:20 – 18:10	Lecture	Free time	Session	Session
18:10 – 19:00	Lecture	Free time	Session	Session
19:00 – 19:50	Lecture	Free time	Session	Session/Closing
20:00	Dinner	Dinner	Dinner	Social Dinner
		21:30 Poster Session 1	21:30 Poster Session 2	

Arrival: *September 20*
Departure: *September 25*
Registration: *September 21 (17:00-19:30).* The registration desk will be located in the Conference Centre. Upon registration at the desk, you will receive your badge, vouchers, and conference materials. To facilitate the process please bring with you the *registration confirmation.* You are kindly requested to wear your name badge during all events of the conference.
Dress code for the conference social dinner: to dress formally (you should wear a suit or dress).
Paper presentation: To do the talk, each speaker must necessarily use their own laptop/tablet.
Inside the Resort, **badges** must be worn at all times.
Certificates will be given out on the last day of the conference.
Please communicate your dietary needs (e.g., gluten-free, celiac, vegetarian, vegan, food allergies, and other dietary needs) asap, thank you. Please send an email to the Resort (booking.events@rivadelsole.it), thanks.

Lecturers

Panos Pardalos, *University of Florida, USA*
Jose Principe, *University of Florida, USA*
Maneesh Sahani, *University College London, UK*
Jonathon Shlens, *Google DeepMind, USA*
Dimitra Thomaidou, *Hellenic Pasteur Institute, Greece*
Marina Vidaki, *University of Crete, Medical School, Crete, Greece*
More Speakers TBA

"The noblest pleasure is the joy of understanding", Leonardo da Vinci.

Lecturers

Panos Pardalos, *University of Florida, USA*
Lecture TBA

Jose Principe, *University of Florida, USA*
Lecture 1/3 *"Cognitive Architectures for Object Recognition in Video"*
Lecture 2/3 *"Cognitive Architectures for Object Recognition in Video"*
 Lecture 3/3 *"Cognitive Architectures for Object Recognition in Video"*

Maneesh Sahani, *University College London, UK*

Jonathon Shlens, *Google DeepMind, USA*
Lecture 1/3 *"Learning a Representation of the Visual World"*
Lecture 2/3 "Learning a Representation of the Visual World"
Lecture 3/3 *"Learning a Representation of the Visual World"*

Dimitra Thomaidou, *Hellenic Pasteur Institute, Greece*
Lecture 1/3 *"Mechanisms of transcriptional and post-transcriptional regulation of astrocytic direct reprogramming to induced-neurons: potential impact in brain's regenerative capacity of the brain"*
Lecture 2/3 *"Microglia contribution to Alzheimer's Disease progression"*
Lecture 3/3 *"Dynamic interactions of astrocytes and microglia with brain vasculature following systemic inflammation"*

Marina Vidaki, *University of Crete, Medical School, Crete, Greece*
Lecture 1/3 *"Nervous System Development and Regeneration: compare and contrast"*
Lecture 2/3 *"Innovative methods to reconstruct the Nervous System"*
Lecture 3/3 *"Implication of AI in Neurodegeneration Research"*