

Logic & Computer Science : An Inseparable Bond (3rd Edition)

An on-line workshop in recognition of the
UNESCO World Logic Day Organized and hosted by
the Faculty of Informatics & Computer Science
at the British University in Egypt - BUE



JANUARY
14 TH
2025

WORLD LOGIC DAY

CHAIR



Prof. Omar H. Karam
The Dean of the Faculty of Informatics &
computer Science at The British University
in Egypt (BUE).

CO-CHAIR



Assoc. Prof. Mohamed Almisbkawy
Associate professor of logic, philosophy
of science and metaphysics at the British
University in Egypt and Fayoum University.

SCHEDULE:

Tuesday, January 14, 2025, 1:00 P.M. –
Meeting Room, Building H, BUE

1:00 pm:

Welcome (Prof. Omar H. Karam & Dr. Mohamed Almisbkawy)

1:10 pm:

"the logic underlying analysis and synthesis in the Greek tradition (beginning from Plato) and Arabic tradition (e.g., al-Haytham and others)" by Prof. Ioannis Vandoulakis.

1:55 pm:

"Drug design using AI" by Prof. Jean-Yves Beziau.

2:20 pm:

"The four fundamental aspects of the Logos and their interrelationships" by Prof. Jean-Yves Beziau.

3:05 pm:

Closing Remarks (Prof. Omar H. Karam, Dr. Mohammed Almisbkawy)

Speakers

Prof. Jean-Yves Beziau



Jean-Yves, a Swiss logician, philosopher, and mathematician with Ph.D.s in both fields, is a Professor at the University of Brazil, Rio de Janeiro, and former President of the Brazilian Academy of Philosophy. He founded World Logic Day, the World Logic Prizes Contest, and serves as Editor-in-Chief of Logica Universalis and South American Journal of Logic. He is President of the Logica Universalis Association (LUA).

Prof. Ioannis M. VANDOULAKIS



Ioannis Vandoulakis holds a PhD in History of Mathematics and Logic from the Faculty of Mathematics of the Moscow Lomonosov State University. He is an Affiliated Member of the "Semiotics of Logic and Reasoning" Research Group of the Center for Diagrammatic & Computational Philosophy of the Endicott College, USA.

Amgad Abdallah



Amgad holds an M.Sc. in Data Science from Cairo University, specializing in integrating graph neural networks and deep reinforcement learning in generative AI for drug design. He is a Lecturer Assistant at The British University in Egypt and focuses on research in reinforcement learning, graph neural networks, generative AI, and quantum machine learning to enhance human health.