

Hour	Num	Wednesday, August 6
09:00 am		Registration
09:20 am		Opening of the event
09:40 am	84	Special Conference BICAs for Science: Mental Imagery, Consciousness and the Nature of Thought Keynote speaker: Sean Kugele
10:00 am		
10:20 am		
10:40 am	102	Self-Structured data representations for multimodal systems: An approach based on Adaptative-Competitive dynamics Conference speaker: Carlos Zarate

11:00 am	51	Enhancing Cybersecurity through Adaptive Networks and AI-Coaching: Organizational Learning and Risk Management Conference speaker: Nisrine Mokadem
11:20 am		Coffee Break
11:40 am	17	Behavior of a Collective of Weak Peaceful Agents in the Presence of a Strong Predatoryr Agent Conference speaker: Vladimir Red'Ko
12:00 pm	80	When Remembering and Planning are Worth it: On Navigation Strategies under Change Conference speaker: Omid Madani
12:20 pm	32	Adaptive Neuro-Fuzzy Inference System for Modeling the Influence of Process Parameters on Pulsed Electrochemical Machining of AISI- 1018 Steel Conference speaker: Irvin Uriel Nopalera Angeles

12:40 pm	97	<p>How consciousness modifies the motivation of belonging in agents</p> <p>Conference speaker: Isaac Rocha Torres</p>
01:00 pm	109	<p>Special Conference</p> <p>How to teach BICA speak natural language and understand human mentality Keynote speaker: Alexei Samsonovich</p>
01:20 pm		
01:40 pm	94	<p>A Computational Model Representation of Task-Set Based on Cognitive Science Evidence</p> <p>Conference speaker: Oscar Hernández Calderón</p>
2:00 pm	83	<p>Towards Understanding and Developing Open-Ended Intelligences for Infinite Worlds</p> <p>Conference speaker: Omid Madani</p>

Hour	Num	Thursday, August 7
09:00 am	49	Special Conference On the Pursuit of Understanding and Consciousness in Cognitive Architectures Keynote speaker: Ricardo Gudwin
09:20 am		
09:40 am		
10:00 am	88	BICA Society Panel: Kyrtin Atreides, Félix Ramos, Tingting Liu, and Alexei Samsonovich
10:20 am		
10:40 am		
11:00 am	26	The Two-Stream Hypothesis as a Foundation for Human-like Memory and Action Conference speaker: Howard Schneider

11:20 am		Coffee Break
11:40 am	58	Creating AI-Generated Role-Playing Videos from Causal Network Model Simulations of Social Anxiety Disorder for Virtual Therapeutic Contexts Conference speaker: Melisa Maria Damian
12:00 pm	46	Features for Developing Agents with a Sense of Belonging Conference speaker: Heiler Duarte Moreno
12:20 pm	63	Bioinspired Affective System for the Generation of Basic Emotional Behaviors in Cybernetic Entities Conference speaker: Jonathan-Hernando Rosales
12:40 pm	14	OLMap, a Biologically Inspired Approach to Few-Shot Learning Conference speaker: Teresa Brooks
01:00 pm	9	Self-Control in Context: A Cognitive Architectural Approach Conference speaker: Adan Gomez and Ron Sun

01:20 pm	20	Effects of sleep habits on attentional components in preschool children Conference speaker: Estefania García Cerda
01:40 pm	81	Exploring Accessible Focus Groups with Cognitive Persona Generation and AI Agents Conference speaker: Janine Mator
02:00 pm	1	Exploring Diverse Synaptic Subpopulations through Protein Expressions Conference speaker: Vijender Kalmotia
02:20 pm	76	A DNA-Based Computational Framework Inspired by Mathematical Model of Cell Division Conference speaker: Abrorjon Turgunov

Hour	Num	Friday, August 8
09:00 am	2	Special Conference Human Friendly Artificial Intelligence enabled by the Lattice Computing Paraigm Keynote speaker: Vassilis G. Kaburlasos
09:20 am		
09:40 am		
10:00 am	105	CogHelp: A Cognitive Architecture for Adaptive Helping Decisions in Multi-Agent Emergencies Conference speaker: Xin Huang and Tingting Liu

10:20 am	55	A Fifth-order Adaptive Network Model of the Role of Epigenetic Modification caused by Early Life Stressors in Borderline Personality Disorder Conference speaker: Jovana Vukmirović
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10:40 am	62	<p>Using AI Coaching to Improve Cybersecurity Decision-Making: An Adaptive Network Model to Analyse AI-Supported Government Surveillance, Trust, and Threat Identification</p> <p>Conference speaker: Artemis Hadjiloizou</p>
11:00 am	16	<p>Computing with Semantics in a Hilbert Space: A Proposal for Enhancing Deep-Learning</p> <p>Conference speaker: Vassilis Kaburlasos</p>
11:20 am		<p>Coffee Break</p>
11:40 am	22	<p>Inclusion of adaptive thresholds in bio-inspired computational models of attention to improve adaptability in artificial agents</p> <p>Conference speaker: Francisco López Gómez</p>
12:00 pm	74	<p>Representing Episodes: Space-Time Experiences for Cognitive Architectures</p>

		Conference speaker: Bruno G. Silva
12:20 pm	75	An Episode Encoding Mechanism for Cognitive Architectures Conference speaker: Eduardo Yuji Sakabe
12:40 pm	64	Systematic Guidelines for Extending the Appraisal Process in Computational Models of Emotion Conference speaker: Mario Enrique Osuna
01:00 pm	73	Using Episodic Memory to Aid Machine Learning Performance in Perceptually Aliased Environments Conference speaker: Andrew Nuxoll
01:20 pm	82	Intervention in Complex Systems with Self-Organized Criticality through Deep Q-Learning: A Case Study in Vehicular Traffic Conference speaker: Ricardo Talavera
01:40 pm	15	The Augmentation of Intelligent Agents for Human-Machine Super performance Conference speaker: Bradly Alicea

2:00 pm	6	Biologically inspired computational models of Visuospatial Working Memory: A systematic review Conference speaker: Viviana Dueñas
2:20 pm	105	Bio-inspired computational model of perception for the detection of simple events from their visual features. Conference speaker: Victor Peláez Fernández

Hour	Num	Saturday, August 9
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09:00 am	77	A Neuro-Computational Architecture Taxonomy to Bridge Biological and Artificial Intelligence Conference speaker: Max Talanov
09:20 am	79	Measuring the Coherence of AI Reasoning as Geometric Trajectories in Latent Space Conference speaker: Viktoriia Popova
09:40 am	37	(AtomConcept) An Atomic Cognitive Architecture Conference speaker: Mohammed Ezzat
10:00 am	19	Realtime Rendering of Physical Environment to the Robot Mental Model using Unreal Engine 5 (Phase I) Conference speaker: Milind Choudhary
10:20 am	59	Special Conference Rethinking Rationality and Intelligence in AI Through a Cognitive Architecture Keynote speaker: Ron Sun
10:40 am		
11:00 am		

11:20 am		Coffee Break
11:40 am	100	A platform for in-depth study of social interactions between users and virtual agents Conference speaker: Anastasia Navrotskaya
12:00 pm	45	Information and life Conference speaker: José Luis Naredo
12:20 pm	92	Frames of Reference as a means to process and codify perceptual inputs Conference speaker: Gustavo Palacios Ramirez
12:40 pm		Final Panel and Close event: BICA 2025

01:20 pm 04:00 pm		Free
4:00 pm 7:00 pm		Especial Event: Catamaran Cruise