

Time Zone in Guadalajara, Jalisco, Mexico		GMT-5		
Day	Activity	Location	Presentation modality	ID & Title
September 21				
18:00 - 20:00	WELCOME RECEPTION TOAST	Autonomous University of Guadalajara		
September 22				
	BICA 1	Auditory	Talk	32 Cognitive Architecture for Decision-Making Based on Brain Principles Programming
8:00 - 8:20	AI 1	Room	Talk	37 An environment emulator for training a neural network model to solve the "Following the leader" task
	BICA 1	Auditory	Talk	154 A Controlled Adaptive Network Model of a Virtual Coach Supporting Speaking Up by Healthcare Professionals to Optimise Patient Safety
8:20 - 8:40	AI 1	Room	Talk	75 The BiLSTM-based (synthesized speech) deepfake voice recognition
	BICA 1	Auditory	Talk	117 Formal representation of natural language elements in multi-agent system based of self-organization of distributed neurocognitive architectures
8:40 - 9:00	AI 1	Room	Talk	80 AGI as a means of getting "truly" new knowledge using existing experience
	BICA 2	Auditory	Talk	115 Multicriteria search for preferred configurations of modular robots for cargo transportation
9:00 - 9:20	SEES 1	Room	Talk	2 A prototype system for supporting a network of information graphs with the ability to assess the nature of the subject's knowledge
	BICA 2	Auditory	Talk	103 Stability and Similarity Detection for the Biologically-Inspired Temporal Pooler Algorithms
9:20 - 9:40	SEES 1	Room	Talk	12 Multilevel Organisational Learning in a Project-Based Organisation: Computational Analysis Based on a Third-Order Adaptive Network Model
	BICA 2	Auditory	Talk	114 Towards the Construction of Computational Models of Emotions from the Perspective of a Software System
9:40 - 10:00	SEES 1	Room	Talk	113 Semantic Web Technologies: Issues and Possible Ways of Development
	BICA 3	Auditory	Talk	138 An Adaptive Network Model of the Role of the Microbiome-Gut-Brain Axis in Insomnia
10:00 - 10:20	CS 1	Room	Talk	74 The concept of an intelligent data lake management system: machine consciousness and a universal data model
	BICA 3	Auditory	Talk	48 BOLD signal changes in response to pseudowords after giving them semantic meaning in the course of special training: an fMRI study
10:20 - 10:40	CS 1	Room	Talk	31 Learning a foreign language vocabulary with a companion robot
	BICA 3	Auditory	Talk	45 The Navigation Map-Based Cognitive Architecture—A New Class of Artificial Intelligence
10:40 - 11:00	CS 1	Room	Talk	85 Elements of semantic analysis based on lambda-calculus
	AI 2	Auditory	Talk	141 Simulation of the structural and force parameters of a robotic platform using co-simulation
11:00 - 11:20	SEES 2	Room	Talk	106 Adaptive Dynamical Systems Modelling of Transformational Organizational Change with Focus on Organizational Culture and Organizational Learning
	AI 2	Auditory	Talk	90 Robust Classification of Contraband Substances using Longwave Hyperspectral Imaging and Full Precision and Neuromorphic Convolutional Neural Networks
11:20 - 11:40	SEES 2	Room	Talk	97 Cyber-Neuro RT: Real-time Neuromorphic Cybersecurity
	AI 2	Auditory	Talk	34 Training Multilingual and Adversarial Attack-Robust Models for Hate Detection on Social Media
11:40 - 12:00	SEES 2	Room	Invited Talk	54 DEGARI 2.0: A Diversity-Seeking, Explainable, and Affective Art Recommender for Social Inclusion
12:00 - 13:00	DISCUSSION PANEL	Auditory		
13:00 - 14:00	SPEAKER: YINGXU WANG	Auditory	Keynote speaker	AI vs. NI (Natural Intelligence): How will Brain-Inspired Systems Lead to Autonomous AI and Cognitive Computers?
14:00 - 14:20	NC1	Auditory	Talk	4 Modeling the effects of propranolol administration after fear memory reactivation by a second-order adaptive network model
14:20 - 14:40	NC1	Auditory	Talk	102 CogniDron-EEG: A system based on a brain-computer interface and a drone for cognitive training
14:40 - 15:00	NC1	Auditory	Talk	132 Inquiry of the orbitofrontal cortex role in incentive learning: An artificial neural networks simulation
15:00 - 15:20	CS 2	Auditory	Talk	40 A Second-Order Adaptive Mental Network Model Relating Dreaming to Creativity
15:20 - 15:40	CS 2	Auditory	Talk	91 Existence, Hypotheses and Categories in Knowledge Representation
15:40 - 16:00	BICA 3	Auditory	Talk	11 Adaptive Network Modeling of the Influence of Leadership and Communication on Learning within an Organization
September 23				
8:00 - 8:20	AI 3	Auditory	Talk	118 Indoor Evacuation Guidance System Based on AR Virtual Agent
	NC 2	Room	Talk	44 Modeling of placebo effect in stochastic reward tasks by reinforcement learning
8:20 - 8:40	AI 3	Auditory	Talk	83 On Hybrid Network Covert Channel Capacity
	NC 2	Room	Talk	149 An Adaptive Network Model for Aggregation and Prion-Like Propagation of α -synuclein in Parkinson's Disease
8:40 - 9:00	AI 3	Auditory	Talk	86 The applicative approach to the synthesis of a data structure with the given combinatory characteristic
	NC 2	Room	Talk	57 Association of structural changes of the brain with systemic immune activation in schizophrenia
9:00 - 10:00	SPEAKER: GARRICK ORCHARD (Intel)	Auditory	Keynote speaker	Efficient Bio-inspired Computing with Intel's Loihi 2 Neuromorphic Processor
	AI 4	Auditory	Talk	35 Neural Network Method for Determining The Direction of a Person's Gaze based on a Web Camera Image Analysis
10:00 - 10:20	SEES 3	Room	Talk	
	AI 4	Auditory	Talk	5 A Second-Order Adaptive Network Model for Connecting Social Media Platforms and Users through Bonding by Faked Homophily
10:20 - 10:40	SEES 3	Room	Talk	79 On the accuracy of Covid-19 forecasting methods in Russia for two years
	AI 4	Auditory	Talk	111 The effect of friction on the positioning processes of intelligent executive devices (actuators)
10:40 - 11:00	SEES 3	Room	Talk	88 Lambda-calculus, combinators and applicative computational technologies
	AI 5	Auditory	Talk	25 The Structure of Associative Heterarchical Memory
11:00 - 11:20	SEES 4	Room	Lightning Talk	150 Establishing an Information Model for the «Philologist Automated Workplace» Concept for Launching and Implementing Cross-Disciplinary Research Projects at the Interface of Socio-Humanitarian and Technical Science
	AI 5	Auditory	Talk	121 Application of evolutionary PSO algorithms to the problem of optimization of 6-6 UPU mobility platform geometric parameters
11:20 - 11:40	SEES 4	Room	Lightning Talk	151 Methodological and Informational Support for Designing the «Philologist Automated Workplace» as an Element of Academic Ecosystem for Launching and Implementing Cross-Disciplinary Research Projects
	SEES 4	Auditory	Talk	129 Low SWAP Reservoir Computer (RC) Hardware for Real-Time Wideband Signal Denoising and Anomaly Detection
11:40 - 12:00	BICA SOCIETY PANEL. CHAIR: ALEXEI SAMSONOVICH	Room	Talk	33 Implementation of value based curiosity mechanism in Reinforcement Learning algorithm based on A3C
12:00 - 13:00		Auditory		
13:00 - 14:00	SPEAKER: ANTONIE RANDAL MACINTOSH	Auditory	Keynote speaker	Keynote lecture: Modeling Network Function and Dysfunction with The Virtual Brain
14:00 - 14:20	BICA 4	Auditory	Talk	3 Bio-Inspired Cognitive Architecture of Episodic Memory
14:20 - 14:40	BICA 4	Auditory	Talk	59 Computational Framework of the Visual Sensory System Based on Neuroscientific Evidence of the Ventral Pathway
14:40 - 15:00	BICA 4	Auditory	Talk	81 Taste Perceptual Circuit for the Generation of Autonomous Responses in Virtual Creatures
15:00 - 15:20	BICA 5	Auditory	Talk	96 Visualization Tools for Monitoring and Debugging a Cognitive Architecture using CST
15:20 - 15:40	BICA 5	Auditory	Talk	125 A complete cognitive architecture as a services composition system inside a pervasive environment
15:40 - 16:00	BICA 5	Auditory	Talk	135 A bioinspired model for the generation of a motivational state from energy homeostasis
September 24				
8:00 - 8:20	AI 6	Auditory	Talk	115 Multicriteria search for preferred configurations of modular robots for cargo transportation
	SEES 5	Auditory	Talk	107 Conceptual hanger for displaced concepts: a framework for information processes variability

8:20 - 8:40	AI 6	Auditory	Talk	116 Task-drive approach to artificial intelligence
	SEES 5	Auditory	Talk	119 Analysis of the Emotional Expression and User Experience of Virtual Agents in Smartphone-based AR
8:40 - 9:00	AI 6	Auditory	Talk	156 The Symbol Grounding Problem in the system of general artificial intelligence based on multi-agent neurocognitive architecture
	SEES 5	Auditory	Talk	139 An adaptive modelling approach to employee burnout in the context of the Big Five personality traits
9:00 - 10:00	SPEAKER: ARMEN PISCHDOTCHIAN (IBM)	Auditory	Keynote speaker	Cross-roads of Machine Learning and Data Science.
10:00 - 10:20	NC 3	Room	Talk	109 On the possibility of ontology map constructing on the cerebral cortex.
	CS 3	Room	Talk	14 An Analogical Inductive Solution to the Grounding Problem
10:20 - 10:40	NC 3	Room	Talk	156 The Symbol Grounding Problem in the system of general artificial intelligence based on multi-agent neurocognitive architecture
	CS 3	Room	Talk	100 Constructing generator of words of context-dependent language on example of typed λ -calculus
10:40 - 11:00	NC 3	Room	Talk	46 The maze runner: navigating through basic kinetics to AI models of human metabolism pathology
	CS 3	Room	Talk	101 Analysis and comparison of generators of words of context-sensitive language on example of typed λ -calculus
11:00 - 11:20	BICA 6	Auditory	Talk	53 Cognitive Mechanism of Temporal Transpective and Dynamics of Natural Cognitive Architectures Providing Speech Communication
	CS 4	Room	Talk	120 Modelling Learning for a Better Safety Culture within an Organization using a Virtual Safety Coach: Reducing the Risk of Postpartum Depression via More Communication with Parents
11:20 - 11:40	BICA 6	Auditory	Talk	161 TBA
	CS 4	Room	Talk	130 The embodied elephant in the room
11:40 - 12:00	BICA 6	Auditory	Talk	160 Automation of Configuration, Initialization and Deployment of Applications Based on an Algebraic Approach
	CS 4	Room	Talk	162 Artificial Psychiatrist: An intelligent virtual/robotic assistant based on the eBICA framework and deep learning
12:00 - 12:20	BICA 7	Auditory	Talk	87 Model of an autonomous agent forming its own simple knowledge base
	AI 7	Room	Talk	93 Multimodal Mood Recognition for Assistive Scenarios
12:20 - 12:40	BICA 7	Auditory	Talk	137 An Integrative Adaptive Network Model for Emotional Reactivity and Behavioural Inhibition by a Highly Sensitive Person
	AI 7	Room	Talk	82 Layers, Folds, and Semi-Neuronal Information Processing
12:40 - 13:00	BICA 7	Auditory	Talk	158 After 40 years of search for the promised land BICA? AI designers come to a point of disillusion and discord. Why? For what sins and misdeeds?
	AI 7	Room	Talk	159 Multitasking learning in missing data recovery for the integration of geophysical methods in solving an inverse problem of exploration geophysics
13:00 - 14:00	SPEAKER: EMMANUEL ORTIZ LÓPEZ (Continental)	Auditory	Keynote speaker	Interpretability
14:00 - 14:20	SEES 6	Auditory	Talk	64 Modeling of a Cognitive Hybrid Architecture for the Hygrothermal Regulation of a Room Manipulated by an Agent
14:20 - 14:40	SEES 6	Auditory	Invited Talk	15 The Fourth Space in the Fourth Revolution
14:40 - 15:00	SEES 6	Auditory	Invited Talk	134 Human-robot attachment: A working framework based on human-dog relationships
15:00 - 15:20	BICA 8	Auditory	Talk	142 Cognitive Architecture Configuration Model for Performing Dynamic Pervasive Service Composition
15:20 - 15:40	BICA 8	Auditory	Talk	143 Computational model of the alerting function in attention.
15:40 - 16:00	BICA 8	Auditory	Talk	144 Proposal for a computational model of incentive memory
16:00 - 16:30	CONFERENCE CONCLUDING REMARKS	Auditory		
18:00	CLOSING DINNER	Santo Coyote Restaurant		