Time Zone in Guadalajara, Jalisco, Mexico GMT-5					
Day	Activity	Location	Presentation modality	ID & Title	
September 21			modanty		
18:00 - 20:00	WELCOME RECEPTION	Autonomous University of			
10.00 - 20.00	TOAST	Guadalajara			
0					
September 22	BICA 1	Auditory	Talk	32 Cognitive Architecture for Decision-Making Based on Brain Principles Programming	
8:00 - 8:20	Al 1	Room	Talk	37 An environment emulator for training a neural network model to solve the "Following the leader" task	
8:20 - 8:40	BICA 1 Al 1	Auditory		154 A Controlled Adaptive Network Model of a Virtual Coach Supporting Speaking Up by Healthcare Professionals to Optimise Patient Safety 75 The BILSTM-based (swnthesized speech) deepfake woice recognition	
8:20 - 8:40	BICA 1	Room		75 The bit.51 Mr. Dassed (symmessized speecn) deepirack voice recognition 117 Formal representation of natural language elements in multi-agent system based of self-organization of distributed neurocognitive architectures	
8:40 - 9:00	Al 1	Room	Talk	80 AGI as a means of getting "truly" new knowledge using existing experience	
9:00 - 9:20	BICA 2 SEES 1	Auditory Room		115 Multicriteria search for preferred configurations of modular robots for cargo transportation 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	
9:40 - 10:00	BICA 2 SEES 1	Auditory Room		114 Towards the Construction of Computational Models of Emotions from the Perspective of a Software System 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 BICA 3	Room		74 The concept of an intelligent data lake management system: machine consciousness and a universal data model 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		46 DOLD signal charges in response to pseudowinds arieg your given sentance meaning in the course of special nathing, an invitor study 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		85 Elements of semantic analysis based on lambda-calculus 141 Simulation of the structural and force parameters of a robotic olatform using co-simulation	
11:00 - 11:20	SEES 2			141 Smilliagnor to the structural and rote parameters or a rotonic principal or a single constituence of the structural and rote parameters or a rotonic parameter structural principal or an arrangement of the structural principal or arrangement of the structural principal or arrangement or arrangement of the structural principal or arrangement or	
	Al 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	
11:40 - 12:00	Al 2 SEES 2	Auditory Room		34 Training Multilingual and Adversarial Attack-Robust Models for Hate Detection on Social Media 54 DEGARI 2.0: A Diversity-Seeking, Explainable, and Affective Art Recommender for Social Inclusion	
11.40 - 12.00	JLLJ Z	Room	IIIVILEU TAIK	34 DEGAN 2.0. A Diversity-Seeking, Explanation, and Allective Art Necontiniented for Social Industrial	
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?	
	NC1			4 Modeling the effects of propranolol administration after fear memory reactivation by a second-order adaptive network model	
	NC1			102 CogniDron-EEG: A system based on a brain-computer interface and a drone for cognitive training	
	NC1 CS 2			132 Inquiry of the orbitofrontal cortex role in incentive learning: An artificial neural networks simulation  40 A Second-Order Adaptive Mental Network Model Relating Dreaming to Creativity	
	CS 2			40 A Second-Order Adaptive mental network model relating treating to Creativity 91 Existence, Phytotheses and Categories in Knowledge Representation	
	BICA 3			11 Adaptive Network Modeling of the Influence of Leadership and Communication on Learning within an Organization	
September 23					
8:00 - 8:20	Al 3 NC 2			118 Indoor Evacuation Guidance System Based on AR Virtual Agent 41 Modeling of placebo effect in stochastic reward tasks by reinforcement learning	
	Al 3	Auditory	Talk	83 On Hybrid Network Covert Channel Capacity	
8:20 - 8:40	NC 2 Al3	Room	Talk Talk	149 An Adaptive Network Model for Aggregation and Prion-Like Propagation of α-synuclein in Parkinson's Disease 86 The applicative approach to the synthesis of a data structure with the given combinatory characteristic	
8:40 - 9:00	NC 2			so the applicative approach to the synthesis of a data structure with the given combinatory characteristic 75 Association of structural changes of the brain with systemic immune activation in schizophrenia	
9:00 - 10:00	SPEAKER: GARRICK	Auditory		Efficient Bio-inspired Computing with Intel's Loihl 2 Neuromorphic Processor	
0.00 10.00	ORCHARD (Intel) Al 4	Auditory		35 Neural Network Method for Determining The Direction of a Person's Gaze based on a Web Camera Image Analysis	
10.00 10.00				<u> </u>	
10:00 - 10:20	SEES 3 Al 4			39 The Use of Virtual Reality Technologies in the Specialists' Training in the Field of Information Security 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	
10:40 - 11:00	Al 4 SEES 3	Auditory Room		111 The effect of friction on the positioning processes of intelligent executive devices (actuators) 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	
11:20 - 11:40	Al 5 SEES 4	Auditory Room		121 Application of evolutionary PSO algorithms to the problem of optimization of 6-8 UPU mobility platform geometric parameters  151 Methodological and Informational Support for Designing life 4-Philologist's Automated Workplace- as an Element of Academic Ecosystem for Launching and Implementing Cross-Disciplinary Research Projects	
	Al 5	Auditory	Talk	129 Low SWAP Reservoir Computer (RC) Hardware for Real-Time Wideband Signal Denoising and Anomaly Detection	
11:40 - 12:00	SEES 4 BICA SOCIETY PANEL.	Room	Talk	33 Implementation of value based curiosity mechanism in Reinforcement Learning algorithm based on A3C	
	CHAIR: ALEXEI				
12:00 - 13:00	SAMSONOVICH	Auditory			
13:00 - 14:00	SPEAKER: ANTONIE RANDAL MACINTOSH	Auditory	Keynote speaker	Keynote lecture: Modeling Network Function and Dysfunction with The Viritual 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	Al 6 SEES 5	Auditory		115 Multicriteria search for preferred configurations of modular robots for cargo transportation	
8:00 - 8:20	SEES 5	Auditory	Talk	107 Conceptual hanger for displaced concepts: a framework for information processes variability	

	Al 6		Talk	116 Task-drive approach to artificial intelligence
	SEES 5		Talk	119 Analysis of the Emotional Expression and User Experience of Virtual Agents in Smartphone-based AR
	Al 6		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	' '	r Cross-roads of Machine Learning and Data Science.
	NC 3	Room	Talk	109 On the possibility of ontology map constructing on the cerebral cortex.
10:00 - 10:20	CS 3	Room	Talk	14 An Analogical Inductive Solution to the Grounding Problem
	NC 3	Room	Talk	156 The Symbol Grounding Problem in the system of general artificial intelligence based on multi-agent neurocognitive architecture
10:20 - 10:40	CS 3	Room	Talk	100 Constructing generator of words of context-dependent language on example of typed λ-calculus
	NC 3	Room	Talk	46 The maze runner: navigating through basic kinetics to Al models of human metabolism pathology
10:40 - 11:00	CS 3	Room	Talk	101 Analysis and comparison of generators of words of context-sensitive language on example of typed λ-calculus
	BICA 6	Auditory	Talk	53 Cognitive Mechanism of Temporal Transspective and Dynamics of Natural Cognitive Architectures Providing Speech Communication
11:00 - 11:20	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
	BICA 6	Auditory	Talk	161 TBA
	CS 4	Room	Talk	130 The embodied elephant in the room
	BICA 6	Auditory	Talk	160 Automation of Configuration, Initialization and Deployment of Applications Based on an Algebraic Approach
	CS 4		Talk	162 Artificial Psychiatrist: An intelligent virtual/robotic assistant based on the eBICA framework and deep learning
	BICA 7		Talk	87 Model of an autonomous agent forming its own simple knowledge base
12:00 - 12:20	Al 7		Talk	93 Multimodal Mood Recognition for Assistive Scenarios
	BICA 7		Talk	137 An Integrative Adaptive Network Model for Emotional Reactivity and Behavioural Inhibition by a Highly Sensitive Person
	Al 7		Talk	82 Layers, Folds, and Semi-Neuronal Information Processing
	BICA 7		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?
12:40 - 13:00	Al 7	Room	Talk	159 Multitasking learning in missing data recovery for the integration of geophysical methods in solving an inverse problem of exploration geophysics
	SPEAKER: EMMANUEL ORTIZ LÓPEZ (Continental)	Auditory	Keynote speake	r 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
	CONFERENCE			
16:00 - 16:30	CONCLUDING REMARKS	Auditory		
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18:00	CLOSING DINNER	Santo Coyote	Restaurant	