1.	Record Nr.	UNINA9910484525603321
	Titolo	Advances in Cognitive Research, Artificial Intelligence and Neuroinformatics : Proceedings of the 9th International Conference on Cognitive Sciences, Intercognsci-2020, October 10-16, 2020, Moscow, Russia / / edited by Boris M. Velichkovsky, Pavel M. Balaban, Vadim L. Ushakov
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
	ISBN	3-030-71637-6
	Edizione	[1st ed. 2021.]
	Descrizione fisica	1 online resource (741 pages)
	Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 1358
	Disciplina	153
	Soggetti	Computational intelligence Machine learning Neurotechnology (Bioengineering) Cognition Computational Intelligence Machine Learning Neuroengineering
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	This book reports on theoretical and experimental research answering key questions in neuroscience, philosophy of mind, and cognitive research. It gives a special emphasis on findings achieved within the territory of the former U.S.S.R, which has remained largely unknown to an international readership. The volume gathers authoritative studies on cognitive development, consciousness, attention and perception. It covers research on eye movements, language, speech and semantics, emotion, as well as brain functional states, and a variety of decision-making processes. It also highlights important advances in cognitive robotics and artificial intelligence, discussing brain-computer interfaces and other practically-relevant technologies. It includes studies on human subjects, in both healthy and disease conditions, and

investigations on the molecular mechanisms of cognition in animal models. Chapters are based on invited lectures and peer-reviewed contributions to the 9th International Conference on Cognitive Sciences, Intercognsci–2020, held on October 10-16, 2020, in Moscow. The conference was organized by the Interregional Association of Cognitive Studies, with the participation of the Pavlov Society for Neurophysiology and Higher Nervous Activity, and supported by the Russian Academy of Sciences, the Russian Foundation for Basic Research and a number of the north eastern European research institutions. All in all, this book provides cognitive scientists around the world with a timely snapshot of interdisciplinary research and cutting-edge models, and a major source of inspiration for future collaborations in the areas of artificial intelligence and cognitive neuroscience.