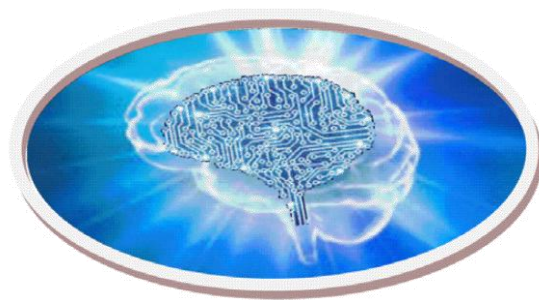


**New Bulgarian University
ITHEA International Scientific Society**

Preliminary program



CSAI 2023

VIII-th International Conference

**Cognitive Science - Approaches and Results towards
Artificial Intelligence**

September 25 - 27, 2023,
New Bulgarian University, Sofia (Bulgaria),
housing 2, room 702

Aims and Scope

The conference is centered on approaches and results obtained through the study of Cognition and Consciousness, their interpretation and application towards Artificial Intelligence.

Steering Committee

Velina Slavova, Department of Computer Science, New Bulgarian University, Sofia, Bulgaria

Krassimir Markov, ITHEA Institute of Information Theories and Applications, Sofia, Bulgaria

Program Committee

Philip Andonov	Department of Computer Science, New Bulgarian University, Sofia, Bulgaria
Dimitar Atanasov	Department of Computer Science, New Bulgarian University, Sofia, Bulgaria
Olena Chebanyuk	Department of Computer Science, New Bulgarian University, Sofia, Bulgaria
Entcho Gerganov	Department of Cognitive Science and Psychology, New Bulgarian University, Sofia, Bulgaria
Maurice Grinberg	Department of Cognitive Science and Psychology, New Bulgarian University, Sofia, Bulgaria
Jenny Benois-Pinaut	UFR Mathématiques et Informatique Université Bordeaux, France
Irina Blinnikova	Faculty of psychology, Lomonosov Moscow State University
Hichem Sahli	ETRO-Audio-Visual Signal Processing , Vrije Universiteit Brussel, Belgium
Albert Ali Salah	Department of Computer Engineering, Bogazici University, Istanbul, Turkey
Vassil Vassilev	School of Computing, London Metropolitan University, London, UK
Abdel-Badeeh M. Salem	Artificial Intelligence and Knowledge Engineering Research Labs, FCIS, Ain Shams University Abbasia, Cairo, Egypt

CSAI 2023 Preliminary program

25.09.2023

NBU housing 2, room 702 & online on: <https://meet.jit.si/CSAI2023NBU>

13:00 - Registration

14:00 - Opening ceremony

14:30 - Discussion: *Cognitive Science - Approaches and Results towards Artificial Intelligence*

15:15 - 15:30 - Break

15:30 - *Approach of designing ontology of problem domain using GTP chat*

Olena Chebanyuk

16:00 - *On the Definitions of “Aspect” and “Concept”*

Stoyan Poryazov

16:30 - *Description of the internal state of the world*

Dimiter Dobrev

17:00 - Welcome party

26.09.2023

12:30 - 14:00 - Coffee meeting in the NBU garden

NBU housing 2, room 702 & online on: <https://meet.jit.si/CSAI2023NBU>

14:00 - *Big Data Addressed in Natural Language*

Vera Markova, Krasimira Ivanova

14:15 - *Distributed Data Addressed in Natural Language*

Ina Markova, Krasimira Ivanova

14:30 - *Identified entities: objects, subjects, processes and states*

Metodi Vlachkov

14:45 - *Information provision of intellectual systems through integrated program functionalities*

Iliya Mitov

15:15 - 15:30 - Break

15:30 - *Management of systems of integrated program functionalities*
Lyubomir Maksimov, Iliya Mitov

15:45 - *Application of the concept of "identified entities" in the processing of data and the construction of integrated program functionalities*
Georgi Mitov; Iliya Mitov

16:00 - *Applied modeling of data spaces in the construction of integrated program functionalities*
Iliya Mitov

16:15 - 16:30 - Break

16:30 - *Lecture: Information, InforAction, Intellect*
Krassimir Markov

27.09.2023

Online on: <https://meet.jit.si/CSAI2023NBU>

09:00 - *Social Dilemmas: Theoretical and Experimental Approaches based on the Prisoner's Dilemma*
Maurice Grinberg

09:30 - *On the study of the relationship between the phonemic content and the emotional valence of written language*
Velina Slavova, Filip Andonov

10:00 - *Cultural variation in cognitive strategies and eye movements during search for significant stimuli in a complex context*
Irina Blinnikova, Georgy Blinnikov, Maria Rabeson

10:30 - *Effects of language interference in visual semantic search task*
Maria Rabeson, Irina Blinnikova

11:00 - *Understanding through sense: cognitive paradigm for computational analysis of natural language texts*
Vladislav Morgun

11:30 - *A system for retrieval, storage, and phonemic representation of Internet news for studying the relationship between the phonemic content and the emotional valence of written sources*
Rosen Stefanov, Martin Konstantinov