

# 18TH INTERNATIONAL CONFERENCE ON SOCIOCYBERNETICS

## ARTIFICIAL INTELLIGENCE: NEW PERSPECTIVES FOR SOCIAL THEORY AND PRACTICE

KRAKOW UNIVERSITY OF ECONOMICS  
24 TO 29TH OF JUNE 2024



### Call for Papers

## 18th International Conference on Sociocybernetics. “Artificial Intelligence: New perspectives for Social Theory and Practice”

Krakow University of Economics, Poland. 24 – 29 June 2024  
- Hybrid format -

The International Conference of Sociocybernetics proudly continues its tradition of exploring the complex interplay between society and technology. This year, in the picturesque city of Krakow, we delve into the rapidly evolving realm of artificial intelligence (AI), particularly focusing on its integration within the framework of sociocybernetics. The conference, scheduled for June 2024, seeks to bring together a diverse group of scholars, researchers, and practitioners to engage in a multidisciplinary dialogue about AI's role in societal dynamics, drawing on the foundational concepts of sociocybernetics as a science of society that emphasizes the recursive relationship between individuals, social structures, and collective emergent phenomena.

Drawing inspiration from Ludwig von Bertalanffy's systems theory and Norbert Wiener's principles of cybernetics, this conference seeks to dissect and understand the role of AI in societal systems. The focus will be on unraveling the complexities of AI-driven interactions within social structures, analyzing both the benefits and challenges they present.

The Krakow University of Economics will be an outstanding venue for this Conference, which is organized under the auspices of the Rector of the Krakow University of Economics, **Assoc. Prof. dr hab. Stanisław Mazur**, with the coordination of **Assoc. Prof. dr hab. Czesław Mesjasz** as Chair of the local organising committee and the **Board of the ISA Research Committee on Sociocybernetics (RC51)** organising international team.

**The 18th International Congress on Sociocybernetics in Krakow, Poland, June 24-June 29, 2024 will have a hybrid format.** While we strongly advise and encourage everyone to come to Krakow and enjoy in-person participation in the Congress, online presentations will also be possible. Oral sessions will be a mix of in-person and virtual presenters, based on the presenters' preferences.

# Key Topics:

Papers related to Sociocybernetics welcome to be included in the following or further thematic lines.

**Advances in applied Sociocybernetics.** Papers related to theory and practice of Sociocybernetics are welcome under this titled in topics such as media, policy, wellbeing, community and social development, environment, social technology and other areas presented in previous RC51 Conferences.

**AI, sociotechnical processes and social intervention:** The digital transition is allowing the use of massive data to improve the prediction capacity and decision-making of social intervention linked to public services. How is AI transforming the way social interventions is designed and implemented? What is the potential of its use and what are the risks and blind spot?

**AI-driven Social Dynamics:** Investigating how AI technologies, reshaping various aspects of society, including politics, education, media, and interpersonal relationships.

**The Evolution of AI and Societal Impact:** Tracing the journey from Turing's conceptualization of computational intelligence to Searle's Chinese Room Argument, we will re-examine these classic debates in the light of modern AI advancements, particularly Large Language Models (LLMs).

**First and Second Order Cybernetics in AI:** Exploring the distinction between these two forms of cybernetics, we aim to understand how AI, as an observing system (second-order cybernetics), impacts and is impacted by social systems.

**Large Language Models and Society:** Special emphasis will be given to the role of LLMs as advanced tools in shaping communication, public opinion, and social dynamics. We will delve into the implications of these models, reflecting upon their potential as actors or partners in communication, inspired by Elena Esposito's perspectives on 'artificial communication'.

**Ethics and Responsibility in AI Deployment:** Addressing the ethical quandaries and responsibilities in deploying AI within social structures. How do we reconcile the benefits of AI with the potential risks and societal impacts?

**Human vs AI Biocapital:** AI is opening new frontiers in the use and replicability of human tissues which have been so far reproduced within and by the human bodies and around which bio-markets have arisen. What are the social implications of an increased overlap between natural and artificial in human bodies and organic processes? Which are the specific implications for women?

# Paper submission guidelines:

Abstracts should be 500-750 words, stating the research problem, objectives, methodology, results, and implications. Use the following link for submission. <http://tinyurl.com/2024RC51CONFERENCE> Accepted abstracts will be included in the abstract booklet and the RC51 website. Paper submissions should be in English, not exceeding 8,000 words, including references, tables, and figures. Selected works will be invited by the editors of the Journal of Sociocybernetics to submit their work.

Contact and information: Prof. dr hab. Czesław Mesjasz [mesjaszc@uek.krakow.pl](mailto:mesjaszc@uek.krakow.pl), Chair of the local organizing committee. For queries related to submission, please contact Andrew Mitchell, Secretary of the ISA RC51 on Sociocybernetics [mitchell.andrew.neil@gmail.com](mailto:mitchell.andrew.neil@gmail.com) and Saburo Akahori [akahori@lab.twcu.ac.jp](mailto:akahori@lab.twcu.ac.jp) President of the ISA RC51.

## Important Dates:

Abstract Submission opens: 10th February, 2024  
Abstract Submission ends: 15th April, 2024  
Notification of Acceptance ends<sup>1</sup>: 30th April, 2024  
Registration opens: 25th February, 2024  
Full Paper Submission Deadline: 0th June, 2024  
**Conference Dates: 24th – 29th June, 2024**

## Fees:

RC51 non members:	100 EUR
Student fee RC51 non members:	50 EUR
RC51 regular members in good standing (ISA RC51):	No fee

Interested in becoming an ISA RC51 member? If you are already an ISA member but not RC51, it only takes 25 euros per year. [Find information here](#). For academic registration a student credentials are needed to obtain the discount

Information for the registration process will be announced in <https://sociocybernetics.org/rc51conference2024>

## Venue:

Krakow University of Economic  
31-510 Kraków, ul. Rakowicka 27,  
Poland  
<https://uek.krakow.pl/en/>

The Conference is organized under the auspices of the Rector of the Krakow University of Economics, Assoc. Prof. dr hab. Stanisław Mazur.



Local organizational support is provided by the Department of Management Process, College of Management and Quality Sciences, Krakow University of Economics. The participants are responsible for arranging accommodation on their own. Kraków is an attractive tourist centre so short visits will be arranged by the local organizers during the Conference. Get information in <https://visitkrakow.com/>

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<sup>1</sup> The notification of acceptance will be sent at maximum two weeks after submitted.

## **Local Organizing Committee**

Czesław MESJASZ, Krakow University of Economics (Poland) (Chair)

Paweł CABAŁA, Krakow University of Economics (Poland)

Tomasz MAŁKUS, Krakow University of Economics (Poland)

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Chaime MARCUELLO-SERVÓS, Universidad de Zaragoza (Spain)

Bernard SCOTT, Past RC51 President (United Kingdom)

Toru TAKAHASHI, Chuo University (Japan)

**Remember, paper submissions in:**

<http://tinyurl.com/2024RC51CONFERENCE>

**More information:**

<https://sociocybernetics.org/rc51conference2024>

