Call for Papers

COINs2025

Connecting Species: AI and Networks for a Sustainable Future

XI International Conference on Collaborative Innovation Networks May 21-22, 2025

Gorizia, Italy

CALL FOR PAPERS

Recent advances in artificial intelligence (AI) have revolutionized the way we collaborate and innovate. Over the past two years, large language models and deep learning techniques have not only enabled seamless human communication across diverse languages but have also begun to include other species, from dogs to humpback whales, in our communication networks. The language of plants, such as tomatoes, mimosa pudica, and the 'wood wide web,' is increasingly being deciphered thanks to AI and machine learning.

Technologies in natural language processing (NLP), image recognition, audio analysis, and network analysis now allow for fuzzy data analysis on a scale and level of accuracy previously unimaginable. These advancements play a crucial role in promoting sustainability and addressing climate change. By analyzing complex networks of environmental data, AI uncovers patterns and trends that inform sustainable practices and policies. Network analysis helps understand the interconnectedness of various factors influencing the natural environment, enabling more effective interventions.

The study of interspecies communication is an exciting new frontier. AI technologies enable us to decode and interpret the communication patterns of humans interacting with different species, fostering a deeper understanding of the natural world. For instance, innovative research is exploring the use of plants to capture human emotions by leveraging their subtle responses to environmental changes as indicators of human emotional states. Integrating AI with botanical sensors allows these systems to monitor and interpret plant responses to human presence, voice, and touch, creating biofeedback mechanisms that can enhance well-being and productivity in various environments.

The 11th International Conference on Collaborative Innovation Networks invites you to explore the impact of AI technologies on communication and collaboration among humans, animals, and plants. We aim to examine the effects of these new technologies on scientific advancement, societal development, and ecological sustainability from multiple stakeholders' perspectives. This includes analyzing societal and environmental implications, the economic impact of emerging technologies, and the sociological and psychological behavioral aspects. We welcome submissions that:

- Advance theoretical insights
- Introduce innovative methods
- Present empirical applications and case studies

Join us in this exciting exploration of how AI-driven communication networks are transforming our world.

Conference website: https://gorizia25.coinsconference.org

SUBMISSION

We invite papers in three formats:

- **Full papers** – Submit max 20 pages describing completed research results or case studies.
- **Extended abstracts** - Submit 400 words about research in progress.

- **Workshops** - You are also invited to submit proposals for two-hour *interactive* workshops, to engage participants in active hands-on experience. We encourage submissions of hands-on workshops rather than purely academic ones.

If you plan to submit a Workshop proposal, please include the following:

1. Title of the Workshop
2. Description (Rationale, Goals, Benefits for participants)
3. Length (max 2 hours)
4. Max Number of Participants
5. Short Bio of the Workshop Facilitator(s)

Submit your paper, abstract, or workshop proposal at:
https://easychair.org/my/conference?conf=coins25

PUBLICATION OPPORTUNITY

The Program and Steering Committee will select the best papers to be invited for submission to the Springer Contributions in Economics.
Papers will undergo a single-blind peer review process.

IMPORTANT DATES

Submission Deadline	Dec 30th 2024
Notification of accepted papers, abstracts, and workshops	March 1st 2025
Final papers due for conference proceedings	April 30th 2025

ORGANIZING COMMITTEE

- Francesca Greco, University of Udine, Italy – *Local Organizing Chair*
- Peter Gloor, University of Cologne and MIT, USA
- Andrea Fronzetti Colladon, Roma Tre University, Italy
- Francesca Grippa, Northeastern University and MIT, USA
- Alina Hafner, Technical University of Munich, Germany
- Emily Kieson, MIMER Center, Sweden
- Roberto Vestrelli, University of Perugia, Italy

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