

First European Interstellar Symposium

Building Our Home Among the Stars

December 2-5
2024

ECCL
Luxembourg City, Luxembourg

CALL FOR PAPERS

DATES

Plenary Presentations

Abstract Submission Final Deadline

July 1, 2024

Work in Progress Posters

Abstract Submission

July 1, 2024

CONTACT

Questions and responses to this call for papers, workshops, and participation should be directed to:

andreas.hein@uni.lu

INTRODUCTION

The University of Luxembourg and the organizing committee, on behalf of the sponsoring organizations, hereby invites your participation in the 1st European Interstellar Symposium to be held from 2 - 5 December 2024, in Luxembourg City, Luxembourg.

THEME

The theme for the event is Building Our Home Among the Stars. This European Interstellar Symposium, the first inaugural conference of its kind in Europe, aims to bring together a multi-disciplinary community dedicated to interstellar travel. The exploration of other stars and what lies between them (e.g. interstellar objects) is crucial not only for understanding the formation of stars, planets, galaxies, and the search for extraterrestrial life, but also for ensuring the safety of our planet and the future of humanity. Due to the extreme requirements of interstellar travel in terms of velocity, lifetime, power generation, and communications over vast distances, research in this field continues to stimulate the development of disruptive technologies, which may find near-term applications. Examples are optical communications, highly autonomous spacecraft, and gram-sized science instruments. The symposium's objective is to foster an exchange on various aspects of interstellar travel, including human and robotic exploration, power systems, communications, system reliability, psychology, crew health, anthropology, legal regimes, ethics, propulsion, potential destinations (including exoplanet research), life support systems, and habitats.

IRG

The Tennessee Valley Interstellar Workshop (doing business as the Interstellar Research Group, IRG) is a non-profit scientific, educational corporation in the state of Tennessee. For U.S. tax purposes, IRG is a tax-exempt, 501(c) (3) educational, non-profit corporation.



UNIVERSITÉ DU
LUXEMBOURG



INTERSTELLAR RESEARCH GROUP

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Website: <https://iro.space/first-european-interstellar-symposium/>



CALL FOR PAPERS

Topics

As part of the symposium, the Special Topic Sessions will focus on potential near-term demonstrations and missions that align with the technologies and systems required for future interstellar travel. A particular emphasis will be on how these technologies will enable disruptive new near-term applications on Earth and in space. Topics may span optical communications, photonics, advanced materials, artificial intelligence, quantum dots, and other relevant areas not specifically listed.

Contributions

The symposium will include Sessions and Special Sessions, Keynote Lectures, Working Tracks, Seminars as well as will for the first time welcome an art exhibition Interstell'Art, as art has played a key role in rendering interstellar visions tangible and fostered its cultural impact (e.g. Project Daedalus).

Working Tracks

Working Tracks are collaborative, small group discussions around a set of interdisciplinary questions on an interstellar subject with the objective of producing "roadmaps" and/or publications to encourage further developments in the respective topics. This year we will be organizing the Working Tracks to further develop ideas presented within the Special Focus Topic described above.

Seminars

Seminars are 3-hour presentations on a single subject, providing an in depth look at that subject. Seminars will be held prior to the main programming, with morning and afternoon sessions.

Interstell'Art

Interstell'Art : "Every art should become science, and every science should become art." Along with this quote from Friedrich von Schlegel (1797) the organizing committee calls for artists , and gallerists whose artists are inspired by the cosmos, to submit a proposal of genuine art , graphic or sculptures , mixed media, abstract or figurative. AI-induced art is admissible, but whether in entirety or partially, must make a mention thereof.

Other Content

Other Content includes, but is not limited to, posters (depending upon the number of submissions), displays models, demonstrations, panel discussions, interviews, and public outreach events.

Publications

Publications: No Paper, No Podium: If a written paper is not submitted by the final manuscript deadline (To Be Announced), authors will not be permitted to present their work at the event. Papers should be original work that has not been previously published. Select papers may be submitted for journal publication, such as in Acta Astronautica and the Journal of the British Interplanetary Society (JBIS).

Video and Archiving

Video and Archiving: All symposium events may be captured on video or in still images for use by the organizers and sponsors, in newsletters and social media. All presenters, speakers and selected participants will be asked to complete a Release Form that grants permission for IRG to use this content as described in the release form.

CALL FOR PAPERS

Abstract Submissions

ABSTRACT SUBMISSION

Abstracts for the European Interstellar Symposium must relate to one or more of the many interstellar mission-related topics listed above. Questions and responses to this call for papers, workshops, and participation should be directed to andreas.hein@uni.lu

PRESENTING AUTHOR(S)

Please list ONLY the author(s) who will actually be in attendance and presenting at the conference. (first name, last name, degree –for example, Susan Smith, MD)

ADDITIONAL AUTHORS

List all authors here, including Presenting Author(s) – (first name, last name, degree(s) – for example, Mary Rockford, RN; Susan Smith, MD; John Jones, PhD)

ABBREVIATIONS

Abbreviations within the body should be kept to a minimum and must be defined upon first use in the abstract by placing the abbreviation in parentheses after the represented full word or phrase. Proprietary drug names and logos may NOT be used. Non-proprietary (generic) names should be used.

ABSTRACT LENGTH

The entire abstract, (EXCLUDING title, authors, presenting author's institutional affiliation(s), city, state, and text), including any tables or figures should be a maximum of 350 words. It is your responsibility to verify compliance with the length requirement.

SUBTITLE

State whether the abstract is for an oral presentation or poster.

ABSTRACT STRUCTURE

Abstracts must include the following headings:

Title – the presentation title

Background – describes the research or initiative context

Objective – describes the research or initiative objective

Methods – describes research methodology used. For initiatives, describes the target population, program or curricular content, and evaluation method

Results – summarizes findings in sufficient detail to support the conclusions

Conclusions – states the conclusions drawn from results, including their applicability.