



MIRAI2.0 Research and Innovation week, Nov 13-17, 2023, Umeå University, Sweden - call for workshop proposals

Researchers, teachers and PhD students from MIRAI2.0 universities can apply to arrange a workshop lasting for two hours at the MIRAI 2.0 at the Research and Innovation week, Umeå University, Sweden. The thematic focus of the workshops should be within the scientific areas of MIRAI 2.0; Ageing, Materials Science, Sustainability, Artificial Intelligence and Innovation and Entrepreneurship.

About the event

The Research and Innovation week gathers researchers, students, and university management from all 20 Swedish and Japanese MIRAI 2.0 member universities as well as research funding agencies and policy makers. It serves as a unique opportunity to share research, exchange ideas, broaden your network and strengthen collaboration between Sweden and Japan within research, innovation and education.

An essential part of the event is the parallel scientific sessions consisting of workshops and presentation sessions within the MIRAI2.0 Thematic areas. There will also be a track for more transdisciplinary, challenge-based workshops, encouraging participation across and among the existing thematic groups/fields. *If you are interested in presenting during the Parallel Scientific Sessions, please refer to the call for presentations that has been prepared separately – [link to the call](#).*

In this call for workshop proposals, applications to arrange workshops during the parallel scientific sessions as well as applications to arrange transdisciplinary workshops are accepted.

Two types of workshops

1. Workshops within the MIRAI2.0 thematic areas during the Parallel Scientific Sessions
2. Transdisciplinary, challenge-based workshops

1. Workshops within the MIRAI2.0 thematic areas during the Parallel Scientific Sessions

Scientific workshops for the parallel scientific sessions must relate to at least one of the thematic areas: Ageing, Materials Science, Sustainability, Artificial Intelligence and Innovation and Entrepreneurship. The content can vary from traditional scientific workshops with papers/comparative studies or other activities such as sharing experiences from ongoing projects, best practice on grant writing, student initiatives etc. We especially encourage proposals from early career researchers relating to the following topics/sub-topics:



Ageing

Proposals relating (but not limited) to the following topics are especially encouraged:

- Demographic changes and the Ageing population
- Ageing in a digital society
- Age friendly communities

Artificial Intelligence

We welcome workshop proposals relating to the sub-theme: "Exciting Trends in Applied AI" and the following topics:

- Theoretical aspects and foundation of AI
- Political and Legal/Moral aspects of AI
- Biomedicine and Health
- Industry 5.0 and Society 5.0

Sustainability

Proposals relating (but not limited) to the following topics are especially encouraged:

- Sustainability transformations
- Affordable and clean energy
- Water governance for sustainability
- Responsible consumption and production
- Adaptation and disaster emergency response
- Addressing sustainability issues through transdisciplinary knowledge co-production
- Envisioning climate-resilient urban futures
- Sustainable transdisciplinary pathway provided by Biogas solutions
- Utilization of biobased/renewable materials to increase CO₂ storage and lessen dependence of fossil based materials
- Use of AI methods for increased process efficiency in bio-industrial processes
- How local knowledge and intangible heritage of greying populations adds to sustainability
- Envisioning post-covid cities
- Voluntary carbon trading
- Natural capital management

Materials science

We welcome workshop proposals relating to the following sub-themes:

- Advanced Materials
- Hydrogen Science
- Quantum Beam

Innovation and Entrepreneurship

We welcome workshop proposals relating to the following sub-themes:

- Innovation Ecosystem
- Entrepreneurship education



- Entrepreneurial processes
- Sustainability and innovation

2. Transdisciplinary, challenge-based workshops

The transdisciplinary, challenge-based workshops must relate to at least two of the thematic areas: Ageing, Materials Science, Sustainability, Artificial Intelligence and Innovation and Entrepreneurship, with potential to attract participation from several fields.

Format and Content (For both types of workshops)

The duration of each workshop is two (2) hours. Joint workshops with organizers from both Sweden and Japan are prioritized. We encourage workshops that include innovation aspects and non-academic actors. Researchers/teachers/PhD students who suggest a workshop that is accepted are responsible for preparing, organizing, implementing, and documenting the workshop.

Application (For both types of workshops)

Application should be submitted through [this online form](#) by deadline May 31st and include:

- Details about the workshop organizers
- Workshop title
- Short workshop abstract/concept note (250 words)
- Keywords (max 5)
- Target group
- Description of workshop (500 words)
- Motivation of how the workshop will contribute to increased Japan-Sweden collaboration and benefit from a Japanese-Swedish perspective.

Assessment & selection

Workshop proposals will be assessed and selected by the relevant MIRAI 2.0 Thematic group groups based on the following criteria:

- The workshop topic has potential to attract attendees from MIRAI2.0 universities and a Swedish-Japanese perspective is relevant for this topic.
- The workshop and it's intended outcome is clearly described
- The workshop has potential to develop further collaborations and activities after the event.
- The workshop will encourage a gender-balanced participation and a mix of senior and early career researchers/PhD students.

Important dates

Deadline to submit workshop proposals: May 31, 2023

Notification of selected workshops: June 27, 2023

Funding

Please note that the travel/accommodation fees are NOT provided from MIRAI 2.0 centrally even though you are selected to arrange a workshop. You should cover them yourself or ask



the MIRAI project manager in your institution whether your home institution will be able to provide any financial support or not before the application. Visit our website for [contact details to your MIRAI project manager](#).

Contact

Email mirai@gu.se if you have any questions.

For more information about MIRAI2.0 visit www.mirai.nu