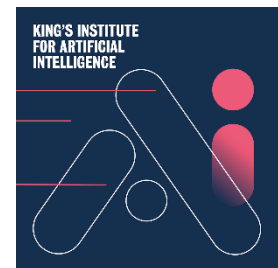# 6th TRΔIL Summer Workshop
on Artificial Intelligence
Call for Project Proposals

in collaboration with

King's College London & Circle U.

August 25th - September 5th, 2025

London (UK)

The TRAIL institute is launching the call for project proposals for the TRAIL Summer Workshop'25 on artificial intelligence research to be held, from August 25th to September 5th, 2025, in London, UK.

Building on the success of previous TRAIL Summer Workshop editions in Tournai (2020), Paris (2021), Berlin (2022), Nantes (2023), and Lisbon (2024), TRAIL'25 continues the **tradition of collaborative, intensive research** by bringing together leading AI researchers and students for **two weeks of hands-on innovation**.

What is TRAIL?

The TRAIL Institute was established as a collaborative initiative between all Belgian French-speaking universities and four accredited research centres to consolidate AI research in Wallonia.

TRAIL is a cornerstone of the Walloon region's Smart Specialisation Strategy (S3) and is labelled as a **Strategic Innovation Initiative (SII)**. TRAIL works in synergy with other strategic initiatives like CyberWal (Cyber Security) and HITT (Human Interaction Technology Transfer), contributing to regional and federal policy through DigitalWallonia4.AI and AI4Belgium.

With **more than 50 PhD students funded through the Walloon region's programme of excellence, over 300 affiliated researchers, 50 associated companies, and more than 100 innovation projects with industrial partners**, TRAIL is at the forefront of AI research and innovation. TRAIL ecosystem includes other European and regional funding programmes, with ongoing synergies with other national AI Ecosystems such as FARI in Brussels and Flanders AI.

Concretely, TRAIL research and business community seeks to achieve 4 impacts:

- **Conduct high-quality research** with a positive societal impact across all levels of the TRL scale.
- **Develop future talent**, addressing the accelerating digital transformation by equipping the next generation with cutting-edge AI skills.
- **Drive AI adoption**, including within SMEs, to enhance economic growth and competitiveness.
- **Expand our global reach** by fostering international collaboration and innovation.

This year, TRAIL is proud to collaborate with the **King's Institute for Artificial Intelligence,** on behalf of **King's College London**, and the European University Alliance **Circle U.**, further strengthening our commitment to fostering interdisciplinary, cross-border AI research.

What to Expect?

- ✓ **Cutting-edge AI projects** led by teams of researchers.
- ✓ **Talks from invited senior researchers**, offering insights into the latest AI advancements.
- ✓ **Regular project presentations**, ensuring iterative progress and constructive feedback.
- ✓ **A unique, immersive environment** where students and experts work side by side, pushing the boundaries of AI research.

Our Goal

To create an unparalleled **collaborative space** where young talents and leading scientists come together to **co-develop the future of AI research**.

Workshop project's themes

To craft a compelling project proposal for the TRAIL Summer Workshop 2025, we encourage participants to incorporate three key elements:

- ✓ Align with a **recommended domain of application** and provide a **relevant dataset**
- ✓ Fit within a **scientific theme**
- ✓ Address a **TRAIL Grand Challenge** (recommended but not mandatory)

Domains of Application:

- Healthcare
- Industry 4.0
- Manufacturing
- Mobility
- Energy

- Aeronautics
- Education
- Media
- Logistics
- Environment

Scientific Themes:

- Trustworthy AI
- Human-AI interaction
- Embedded AI
- Energy-efficient AI
- Privacy-preserving AI
- Multi-agents Systems
- Social & Ethical Impacts
- AI in Higher Education

- Physics-based Models
- Digital Twins
- Weakly-supervised Learning
- Active Learning
- Natural Language Processing
- Generative AI
- Multimodal AI

Evaluation Criteria

✓ **Project Quality** – Clarity, feasibility, and scientific relevance of the proposed research.
✓ **Timely Submission** – Only proposals submitted **before the deadline** will be considered.
✓ **Data Availability** – Proposals should ideally include access to a **relevant dataset** to facilitate hands-on experimentation.

How to apply?

All project proposals must be submitted using the **official template form** before **May 1st, 2025**. Submissions will be **evaluated by the Scientific Committee** to ensure alignment with the workshop's objectives and format.

APPLY for proposal

APPLY for registration

Scientific Committee

Gilles Louppe (ULiège)
Bruno Dumas (UNamur)
Pierre Schaus (UCLouvain)
Stéphane Dupont (UMONS)
Tom Lenaerts (ULB)

Caroline Sainvitu (Cenaero)
Jean-Christophe Deprez (Cetic)
Emmanuel Jean (Multitel)
Marouene Oueslati (Sirris)

TBD (King's College London)
TBD (King's College London)

TBD (Circle U.)
TBD (Imperial College London)

Disclaimer: Please note that **August 25th is a bank holiday** in the UK. As a result, the first day of the workshop will have adjusted scheduling and limited staff availability.