



Subject: Internship Proposal

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Project details

<i>Title</i>	Application of Agentic AI for Dissemination, Communication and Exploitation in Electrical Engineering
<i>Detailed description:</i> Context: Agentic Artificial Intelligence is an emerging paradigm in which autonomous or semi-autonomous AI agents are designed to plan, execute, monitor, and refine complex workflows with limited human intervention. In the context of electrical engineering, agentic AI can support the organization, dissemination, communication, and exploitation of scientific and technical activities by automating repetitive tasks, improving information management, and assisting researchers in the preparation of high-quality outreach and impact-oriented material. This internship aims to explore the application of agentic AI to the management of dissemination, communication, and exploitation activities related to electrical engineering events, including workshops, scientific conferences, project meetings, seminars, and schools. The student will design and test AI agents capable of supporting activities such as event content preparation, communication planning, generation of dissemination material, and post-event reporting. A central component of the internship will be the use of Openclaw as the development framework for creating, configuring, and testing agentic workflows. The student will investigate how Openclaw can be used to build modular agents that interact with documents, event information, scientific outputs, and communication guidelines to produce structured and reusable outputs for electrical engineering research groups and projects. The internship has an exploratory and application-oriented nature, with particular emphasis on developing practical agent-based tools that can enhance the efficiency, consistency, and quality of communication and exploitation processes in academic and research environments. Internship Objectives: The main objective of this internship is to develop and evaluate agentic AI workflows for supporting dissemination, communication, and exploitation	

activities in electrical engineering events. The work may include one or more of the following activities:

1. Literature and tool review on agentic AI, autonomous AI agents, multi-agent workflows, and their applications in scientific communication, research management, and technology transfer.
2. Analysis of dissemination, communication, and exploitation workflows in the context of electrical engineering events, identifying repetitive tasks, information bottlenecks, and opportunities for AI-assisted automation.
3. Use of Openclaw to design and implement prototype AI agents for specific tasks, such as:
 - preparation of event announcements and communication plans;
 - generation of tailored contents according to the aim of the event and targeted ;
 - preparation of summaries, email draft, certifies and event specific material;
 - summary of key messages from scientific abstracts, event programmes, or project documents;
 - preparation of post-event reports and impact summaries.
4. Development of agentic workflows in which multiple agents collaborate to complete structured tasks, for example:
 - an event-analysis agent;
 - a communication-strategy agent;
 - a dissemination-content agent;
 - an exploitation-opportunity agent;
 - a quality-control and consistency-checking agent.
5. Evaluation of the generated outputs in terms of clarity, technical accuracy, consistency with the target audience, usefulness for event organizers, and potential impact on dissemination and exploitation activities.
6. Preparation of practical examples and case studies demonstrating how agentic AI can support communication and exploitation processes before, during, and after an event.
7. Definition of guidelines and best practices for the responsible use of agentic AI in academic communication, including human supervision, verification of technical content, ethical considerations, and data confidentiality.
8. Preparation of visual summaries, workflow diagrams, tables, and concise technical documentation describing the implemented agents, their functions, and the results obtained.
- 9 Participation in discussions with the academic supervisor to refine the methodology, validate the outputs, and identify possible extensions toward research project management and innovation-oriented communication.



<i>Duration (month – max 12)</i>	4
<i>Duration (hours)</i>	150
<i>Open positions</i>	4

Internship Skills

<i>Technical requirements:</i> Basic knowledge of artificial intelligence and prompt engineering. Basic programming skills. Interest in agentic AI systems, workflow automation, and scientific communication. The student is required to use Openclaw for the development and testing of agentic AI workflows.	
<i>Other skills</i>	Good written communication skills in English. Interest in electrical engineering, research dissemination, event organization, and technology exploitation. Ability to work independently and document technical activities clearly. Attention to ethical and responsible use of AI-generated content.