

# JOSEPH FOURIER PRIZE FOR COMPUTER SCIENCES 2025

## Eviden / IT4Innovations Embassy of France in the Czech Republic

### **Article 1**      **Scope of the competition**

Eviden and the French Embassy in the Czech Republic organize a competition for the “Joseph Fourier Prize in Computer Sciences” in 2025.

The goal of this competition is to award the best PhD research work in **computer sciences** in the following areas: artificial intelligence, computer systems and networks, cyber security, database systems, human computer interaction, vision and graphics, numerical analysis, programming languages, software engineering, bioinformatics and theory of computing. Every research and higher education institution in the Czech Republic may propose high level candidates.

### **Article 2**      **Institutions involved and coordinators**

All research and higher education institutions in the Czech Republic (universities and institutes of the Czech Academy of Sciences) may propose high level candidates to join the competition for the “Joseph Fourier Prize”.

They have to designate a local coordinator and provide his or her name to the scientific department of the French Embassy in the Czech Republic **at the latest by February 18<sup>th</sup>, 2025**.

### **Article 3**      **Criteria for selecting participants**

All students of Czech universities, institutions of higher education and institutes of the Czech Academy of Sciences may take part in the competition provided they fulfill the following conditions:

- Their PhD research is encompassed within the topics defined in Article 1.
- They are of Czech or Slovak nationality and are **younger than 33 years on May 1<sup>st</sup>, 2025\***.
- They are currently enrolled in a doctorate programme at a Czech research and higher education institution **or** they have defended their PhD dissertation in 2024 or 2025.
- Their PhD studies do not collude with any work for Eviden.
- They are the author of at least one scientific paper published or accepted for publication in a peer-reviewed international journal.

*\* Extensions can be granted to applicants who took a break from their studies for maternity or parental leave. The coordinator must inform the French Embassy of such cases to make sure the conditions are fulfilled.*

#### **Article 4      Role of the coordinator**

The coordinator of the “Joseph Fourier Prize 2025” project has the task of organizing the selection of the best participants from the ranks of the students enrolled at the given research and higher education institution. These candidates will then be entered by the relevant institution in the competition.

The coordinator shall verify that individual participants fulfill the conditions for participating in the competition (**see Article 3**). **It is their responsibility to check their eligibility.** Subsequently, she/he shall give to the French Embassy in the Czech Republic the names and contact information – personal and work – of all candidates taking part in the competition **at the latest by March 18<sup>th</sup>, 2025**.

**At the same time, the coordinators must indicate if they or another representative from their institution will sit on the evaluation committee – if they will not sit, they must provide the name of the representative that will (see Articles 6 and 9).**

Institutions with no candidates will not be represented in the evaluation committee.

Each coordinator must choose **a maximum of two candidates for each higher education or research institution as a whole**. The president of the selection committee and the attaché for scientific and university cooperation of the French Embassy in the Czech Republic may preselect candidates should there be too many applications.

#### **Article 5      Applications to the competition**

Each candidate must deliver by email the complete Application package described in **Annex 2** to the French Embassy in the Czech Republic (scientific department) **at the latest by April 8<sup>th</sup>, 2025**.

#### **Article 6      Selection committee**

The selection committee will meet **on May 14<sup>th</sup> 2025** in Ostrava.

The committee will be presided over by Jean-Pierre Panziera from Eviden. Further members of this professional selection committee shall be:

- The attaché for scientific and university cooperation of the French Embassy in the Czech Republic.
- One representative of each research and higher education institution from which candidates have been selected.

Individual applicants shall be invited by the French Embassy. They will give an oral presentation, in English, of their PhD research to the committee and answer their questions.

After the oral presentation, the selection committee shall proceed with the final deliberations. The evaluation of the commission shall be recorded in the protocol. The laureates of the Prize will be informed of the results of the competition within a week after the meeting of the selection committee.

#### **Article 7      Awards**

- **1<sup>st</sup> Prize:** 65,000 CZK and a stipend for a one-month internship in France
- **2<sup>nd</sup> Prize:** 40,000 CZK and a stipend for a one-month internship in France
- **3<sup>rd</sup> Prize:** 25,000 CZK

The award prizes are provided directly to the winners by Eviden.

The stipends for internships in France are provided by the French Embassy in the Czech Republic. These internships must take place in a French research center, at the latest **by December 31<sup>st</sup>, 2026**.

Winners must confirm to the French Embassy by **January 31<sup>st</sup>, 2026** whether they will conduct the internship or not. The scientific research center shall be chosen entirely by the laureates.

We remind the candidates that this grant awarded by the French embassy **is meant to support an internship and not a post-doc contract.**

**A Special Prize IT4Innovations** will also be awarded in partnership with IT4Innovations National Supercomputing Center. The winner will be given access to 250,000 normalised core hours on supercomputers in Ostrava. This special prize is independent of the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> prizes and may be awarded to the winners of one of the first three prizes or another candidate.

**Description of the special prize:** **IT4Innovations** is a part of VSB – Technical University of Ostrava, and as a member of the Czech strategic research infrastructure e-INFRA CZ operates the most powerful supercomputing systems in the Czech Republic. Nowadays, IT4Innovations provides its users with the supercomputers **Karolina** (15.7 PFlop/s) and **Barbora** (0.85 PFlop/s), and complementary systems, which give users access to emerging, non-traditional, and highly specialised hardware architectures. The special prize may be used by the laureate or his/her research team on computational resources of their choice.

## **Article 8      Awarding Ceremony**

The official awarding of the Joseph Fourier Prize will take place on **June 26<sup>th</sup> 2025** at the French Embassy in the presence of the Ambassador of France to the Czech Republic. The awards will be given to the laureates by Professor Jean-Marie Lehn, the Nobel Laureate in Chemistry.

The formal ceremony shall be attended not only by all awarded students, but also by their PhD supervisors and the representatives of the universities, institutions of higher education and institutes of the Czech Academy of Sciences.

Students might be invited to cooperate with the media (e.g. interviews) and understand that media materials from ceremonial may be used for marketing purposes.

## **Article 9      Time Schedule**

|  |   |
|--|---|
| <b>February 18<sup>th</sup> 2025</b>                   | Designation of project coordinators at institutions of higher education.  |
| <b>March 18<sup>th</sup> 2025</b>                      | The coordinators inform the French Embassy of: <ul style="list-style-type: none"> <li>- the names and contact information of applicants entered for their institution of research and/or higher education.</li> <li>- the names and contacts of the representative of their institution that will sit in the evaluation committee—either them or someone else.</li> </ul> |
| <b>April 8<sup>th</sup>, 2025</b>                      | Deadline for sending the complete documentation of applications at the following address: <a href="mailto:latifa.hamani@ifp.cz">latifa.hamani@ifp.cz</a>  |
| <b>May 14<sup>th</sup> 2025</b>                        | Oral presentations by candidates before the selection committee.  |
| <b>June 26<sup>th</sup> 2025</b>                       | Awarding ceremony.  |
| <b>At the latest by December 31<sup>st</sup>, 2026</b> | Internship of awarded students in France.   |

## Annex: Application Package

The application package must be sent by the candidate himself.

It includes:

- **An academic curriculum vitae**, including a list of publications in English. [For publications in a peer-reviewed academic journal recognized by such databases as Web of Science or Scopus, please indicate their ranking.](#)
- **A written 5 page-long (max.), illustrations included, presentation of the applicant's research activities** and applicability prospects in English (the references can be indicated on additional pages). Word format is recommended.  
**Each presentation should include a short paragraph explaining if and how the applicant uses or is capable of using supercomputing systems for his/her research.**
- **A max. half-page long summary** of the above-mentioned presentation with basic information from the aforementioned presentation in Czech and in English
- **A signed letter of recommendation** with letterhead of the institution, written by the applicant's scientific supervisor, presenting both the student and his research work

All documents should be put in PDF format and sent altogether in the same email and in the same zip file to [latifa.hamani@ifp.cz](mailto:latifa.hamani@ifp.cz).

**Candidates to the Joseph Fourier Prize need to sign up [here](#) to complete their application.**

Applications that will not respect these indications will not be accepted.