

JOSEPH FOURIER PRIZE FOR COMPUTER SCIENCES 2017

Atos / Embassy of France in CZ

Principle

The Atos Company and the French Embassy in the Czech Republic shall organize a competition for a “Joseph Fourier Prize for Computer Sciences” in 2017. The goal of this competition is to recognize the best research work of Czech PhD students and young scientific workers in computational sciences with special focus on computationally intensive algorithms and methods, simulation and modelling, as well as on handling large volumes of data for the needs of science, research and practical use. Every university may enter all participants in the nationwide finals of the competition whom they consider to be deserving of it.

Article 1 **Institutions Involved in the Project of Awarding the Joseph Fourier Prize for IT**

All institutions of higher education which are accredited to confer the title of “Doctor” may enter their students in the competition for the “**Joseph Fourier Prize for IT**”. They are only obliged to designate a project coordinator from within the circle of their lecturers-scientists and provide his name to the scientific department of the French Embassy in the Czech Republic **at the latest on 17th March 2017**.

Article 2 **Criteria for Selecting Participants**

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

- They are of Czech or Slovak nationality and **they must be up to 30 years old**
- They have completed their university education at the master’s level and are holders of the academic title Ing., Mgr., MUDr., MVDr., RNDr.
- They are enrolled in a doctorate cycle at an institution of higher education participating in the project of awarding Joseph Fourier Prizes for IT
- **Or they have already defended their doctorate dissertation, specifically in the period after 1 January 2017**
- Within their doctorate studies they do not work for the Atos Company or for any of its daughter companies or branches
- They have a scientific article accepted for publication in an international magazine or at least one of their scientific articles has already been published there

Article 3 **Role of the Coordinator**

The coordinator of the Joseph Fourier Prize for IT 2017 project has the task of organizing the selection of the best participants from the ranks of the students enrolled at the given institution of higher education (without neglecting the students working in the institutes of the Czech Academy of Sciences). These candidates will then be entered by the relevant institution of higher education in the nationwide finals of the competition. The coordinator shall verify that individual participants fulfill the conditions for participating in the competition (viz. Article 2). Subsequently, he shall give to the French Embassy in the Czech Republic the names and contact information – personal and work – of all candidates entered in the competition on behalf of their institution of higher education, and that **at the latest by 31 March 2017.**

Article 4 **Applications to the Nationwide Final Competition**

Candidates chosen by individual institutions of higher education and universities participating in the project must deliver the complete documentation of the competition application to the French Embassy in the Czech Republic (scientific department) **at the latest by 14 April 2017.** Parts of the applications must also include the following documents, drafted either in English or in French:

- *A curriculum vitae* at most two pages in length, containing the student's contact information (personal and work)
- *A cumulative report* at most five pages in length, including illustrations, presenting the applicant's research activities and the prospects for using them in practice
- *A concise abstract* of basic information from the aforementioned cumulative report at most half a page in length in English (or in French) and in Czech
- *A list of the publication activities* of the applicant and a copy of the article that was published (where applicable, articles that were published) or accepted for publication
- *A letter of recommendation* written by the applicant's scientific supervisor, presenting both the student and his research work.

Article 5 **Organization of the Selection Committee for the Nationwide Finals of the Competition**

The selection committee should meet on 10 May 2017 at IT4Innovation Ostrava.

The professional committee should be presided over by a French member of Atos. Further members of this professional selection committee shall be:

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

Article 6 **Course of the Nationwide Finals of the Competition**

Individual applicants shall be invited to orally – in French or in English – present before the professional committee their research activities carried out within their doctorate studies, their result and the eventual possibilities to use them in practice, whereas the length of the presentation should not surpass 20 minutes. Subsequently, they shall answer eventual questions from the professional committee.

After the oral presentation, deliberations of the selection committee shall follow, at which the laureates of the Joseph Fourier Prize for IT 2017 shall be selected. The evaluation of the commission shall be recorded in the protocol. The winners and prizewinners shall be informed about the results of the competition within a week of the sitting of the professional committee.

Article 7 Financial Subsidies for the Joseph Fourier Prize for IT 2017

1st Prize: 60,000 CZK and a stipend for a one-month internship in France

2nd Prize: 40,000 CZK and a stipend for a one-month internship in France

3rd Prize: 25,000 CZK

The financial sums for the **Joseph Fourier Prize for IT** are gifted by the Atos Company.

The stipends for the internships are provided by the French Embassy in the Czech Republic. This internship must take place in one of the French research laboratories, and that at the latest by the end of the year 2018, whereas the choice of the scientific workplace at which the student shall realize the internship depends entirely on the student.

A Special Prize IT4Innovations will also be awarded in partnership with IT4Innovations. The winner will be given the right to 10 000 hours of calculation on Ostrava's super computer.

Article 8 Awarding the Joseph Fourier Prizes for IT

The official awarding of the **Joseph Fourier Prize for IT 2017** shall take place **on 16 June 2017** at a reception in the Buquoy Palace, the seat of the French Embassy, in the presence of His Excellency, the Ambassador of France to the Czech Republic. The awards shall be given to the laureates by Professor Jean-Marie Lehn, the Nobel Laureate in Chemistry for 1987. The formal ceremony shall be attended not only by all the awarded students, but also by the leaders of their doctoral theses 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 media (e.g. interview) and understand that media materials from ceremonial will be used for marketing purpose

Article 9 Time Schedule

17 February 2017	Call for submitting applications.
17 March 2017	Designation of project coordinators at institutions of higher education.
31 March 2017	Through the agency of coordinators, inform the scientific department of the French Embassy in the Czech Republic of the names and contact information of applicants entered for individual institutions of higher education.
14 April 2017	Deadline for sending the complete documentation of applications.
10 May 2017	Oral presentations by candidates before the professional committee and selection of laureates.
17 May 2017	Results
16 June 2017	Official awards ceremony.
At the latest by the beginning of summer 2018	Internship of awarded students in France.