

Guidelines for Application of Strategic Japanese-French  
Cooperative Program on  
“Information and Communications Technology (ICT)  
including Computer Science”  
Call for Proposals to be submitted by September 30<sup>th</sup>, 2006

I General Description

1. Scheme for joint funding of Japanese-French research cooperation

Based on the agreement concluded in June 1991 between the Japanese and French governments on cooperation in science and technology, Japan Science and Technology Agency (JST), Japan and Centre National de la Recherche Scientifique (CNRS), France agreed to establish a new scheme for joint funding of Japanese-French cooperative research projects in Japanese Fiscal Year (JFY) 2005. After consultations between JST and CNRS, “**ICT including Computer Science**” has been selected as the field of research for which the scheme will apply in JFY 2006.

2. Aim of program and research field

The aim of the program is to strengthen the collaboration between France and Japan within “ICT including Computer Science” to achieve world-class scientific results, leading towards new innovative technologies. This area is currently undergoing strong development and is considered important to long-term growth and sustainability in both countries.

For example, ICT including Computer Science may include ;

- ICT using Quantum effects
- MOEMS/NOEMS/BioMEMS
- MEMS/NEMS for RF and millimeterwave communications
- Ubiquitous computing and network
- Grid computing
- Virtual reality
- IPV6 and security

The intention is to issue the second call for proposals with the announcement in June JFY 2006. Projects will be funded for a period of three years.

### 3. Who can apply?

JST and CNRS invite Japanese and French researchers to submit proposals for cooperative research projects in the research areas described above.

**French applicants for the cooperative research projects must be researchers belonging to laboratories affiliated with CNRS. CNRS will not be able to support the projects otherwise**

The proposed collaboration should build on and reinforce already on-going research activities in each research group and contribute significant added value to these. Researchers from industry may participate in the joint collaboration.

### 4. Financial support

JST and CNRS plan to support cooperative research projects including dispatch and invitation of researchers with a main emphasis on leading-edge researchers and research activities, etc.

JST will support expenses for Japanese researchers, and CNRS will support expenses for French researchers.

## II. Contents of Support

### 1. Budget for a cooperative research project

The budgets will differ depending on the content of activities and the budgetary situation of JST and CNRS, but the total budget for the project over a full 3-year period (i.e., 36 months) should not exceed 15 million yen=114,000 euro, in principle. (Example: a proposal envisaging a budget of 6 million yen for the first year, 5 million yen for the second year, and 4 million yen for the third year is also possible.)

Due to budget limitations of this program, amounts will be adjusted in each year.

### 2. Cooperative research period

The cooperative research period shall be 3 years (i.e., 36 months) in total, counting from the start date.

### 3. Details of support

This program is designed to support additional expenses related to cooperation with the other partner, with the precondition that the main research infrastructure is already in place in each research group.

#### 3.1 Treatment of intellectual property

If the intellectual property rights (patents, utility model or design rights, rights to programs, databases and other intangible property and know-how, and so on) are generated as a result of this project, the organizations concerned should adequately discuss the ownership of them one another.

For the French researchers' information, the contract to be made between JST and the Japanese institutes to which the supported Japanese research leader belongs, stipulates that Article 30 of the Law on Special Measures for Industrial Revitalization (Japanese version of the Bayh-Dole Act) shall apply to all intellectual property rights generated as a result of the project,

and that in principle this can become the property of the institution to which the research leader belongs.

### 3.2 Funded expenses

Funded expenses include costs for implementation of research exchanges and performing research activities.

#### (1) Expenses for research exchanges

##### 1) Travel expenses

In principle, travel expenses should be based on the rules of the institution to which the research leader belongs.

JST provides travel expenses only for the Japanese researchers and CNRS provides them only for the French researchers.

##### 2) Expenses for holding symposiums, seminars and meetings (excluding travel expenses)

#### (2) Expenses for research activities

##### 1) Expenses for facilities and equipment (application; only for the first fiscal year, in principle).

Since the project is premised on making full use of existing facilities and equipment, only expenses for equipment essential for Japan-France cooperative research projects are covered.

##### 2) Expenses for consumables

Expenses for procuring raw materials, consumable products, chemicals, etc.

##### 3) Expenses for personnel

Honorarium, etc.

##### 4) Others

Expenses for creating software, renting or leasing equipment, transporting equipment, etc.

#### (3) Overhead expenses

Since all administrative procedures related to this project are to be carried out by institutions, overhead expenses amounting to 10% or less of the total for research exchange and research activity expenses will be allowed. In case of that institutions have already specified the overhead expenses in their bylaws, these can be adopted after negotiation with JST. Overhead expenses should be provided for within the total budget.

(4) Items not covered

No expenses shall be paid for the following:

- 1) Expenses related to acquiring real estate or constructing buildings or other facilities
- 2) Expenses related to dealing with accidents or disasters occurring during cooperative research periods
- 3) Other expenses unrelated to implementation of this cooperative research project

### III. Responsibilities of Research Leader After Proposal is Approved

After the proposal has been approved, research leaders and their affiliated institutions shall observe the following when carrying out the cooperative research and using supported expenses.

#### 1. Annual Progress Report

At the end of each fiscal year, the research leader shall promptly submit a progress report on the status of research exchange, and the institution with which the research leader is affiliated shall promptly submit a financial report on supported expenses.

#### 2. Final Report

After completion of the period of international research exchange, research leaders shall promptly submit a final report, in addition to a financial report, on the research exchange activities to JST. The report shall include a general summary (maximum five A4 pages) .

If papers describing results of research exchange are presented to academic activities and so on, please attach a copy of such papers separately to the final report.

## IV. Application

Basically, the Japanese and French applicants shall use an application form issued by JST and CNRS, respectively. The application form completed by the Japanese researchers shall be submitted to JST. The Japanese application shall be written in Japanese and English.

The application shall include;

- project description including how collaboration will be carried out, with clear statements of what Japanese and French researchers respectively will do in the project
- description of the expected outcome of the proposed project, scientifically as well as in terms of its relevance for industry and society
- description of the ongoing activities and specific strengths of the Japanese and French groups respectively, which form the basis for the proposed joint project
- description of the expected added value from the proposed joint project, including how the competence, technology and other resources in Japan and France groups complement each other
- description of how the project is expected to help strengthen research cooperation between Japan and France over the longer term
- discussion of how the proposed joint project compares with other comparable activities worldwide.

### 1) Application Forms

The following application forms have been prepared, in Japanese (J) and English (E).

Form 1J/E	Application outline (title of cooperative research project, names of research leaders, cooperative research period)
Form 2J/E	Research leaders' information (CV of research leaders*)
Form 3J/E	List of names of individuals involved in the cooperative research project in Japan and France
Form 4J/E	Description of the cooperative research project including the points stated above <i>-maximum of 6 pages-</i>

Form 5J/E	A plan for the cooperative project.
Form 6 E	Papers and other publications by the Japanese-side research leader in the past 5 years.
Form 7 E	Papers and other publications by the French-side research leader in the past 5 years.
Form 8J/E	Budget plan for the project.

*\* The description shall include a short Curriculum Vitae (CV) from both Japanese and French project leaders, which include basic information on education, past and present positions and membership of relevant organizations/associations. Each description should be not more than 1/2 page A4.*

## 2) Preparation of Application Forms

Fill in the particulars in all the application forms listed in 1).

## 3) Submittal of Application Forms

Send an application (MS-Word) in E-mail by September 30<sup>th</sup>, 2006 to the address below.

E-mail address; **sicpfr@jst.go.jp**



## V. Evaluation of Project Proposals

### 1. Evaluation procedure

Committees consisting of experts selected by JST and CNRS respectively will evaluate all the proposals. Based on the results of the evaluation, JST and CNRS will make a common decision regarding funding of selected proposals.

### 2. Evaluation criteria

The following general evaluation criteria apply:

#### 2.1 Conformity with program aims and designated research fields:

The proposed activity shall conform to the aims of the program and the research field that the program designates. In addition, the proposed activity shall be supported by the institutional resources available.

#### 2.2 Capability of research leaders (one on each side):

The research leaders shall have the insight or experience necessary for pursuing the activity and the ability to manage the cooperation and reach the project goals during this program's period of support.

#### 2.3 Appropriateness of plan:

The plan shall incorporate an appropriate system for implementing the activity and be realistic in relation to the project budget.

#### 2.4 Effect of the activity:

The proposed activity can be expected to achieve any of the following, through the cooperation with researchers in the counterpart country:

- Opening up of a new field or new advances in science and technology through the creation of new scientific knowledge in an existing research field.
- Nurturing of researchers able to play a central role in future research exchanges with the counterpart country.
- Sustained development of research exchanges with the counterpart country initiated by this activity.

#### 2.5 On-going research activity:

The proposed collaboration shall build on, reinforce and add significant value to already on-going research activities in each research group.

#### 3. Announcement of decision

The final decision regarding supported projects will be notified to the applicants around December 2006.

#### 4. Number of projects to be supported

In principle, JST and CNRS will support 5 new projects.

Japanese applicants should contact the following for further information:



Mr. Osamu KOBAYASHI, Mr. Hiroshi SUZUKI

Dept. of International Affairs

JST

Tel. +81-3-5214-7375

Fax +81-3-5214-7379

E-mail : sicpfr@jst.go.jp

French applicants should contact the following for further information:



CENTRE NATIONAL  
DE LA RECHERCHE  
SCIENTIFIQUE

Mme. Monique Benoit

Direction des Relations Européennes et Internationales

Secteur Asie (Japon-Corée)

C. N. R. S.

Tel.+33-1- 44-96-46-95 Fax +33-1- 44-96-49-10

E-mail : monique.benoit@cnrs-dir.fr