

JST is to fund nine research projects coordinated by Japan, Germany and France in the field of Artificial Intelligence

JST has decided to start the new projects coordinated by JST, German Research Foundation (DFG, Germany) and The French National Research Agency (ANR, France) (Appendix).

Based on agreements, JST, DFG and ANR jointly opened the call for the new research projects among the three countries in the field of Artificial Intelligence submitting the following as an example of a research scope.

- Knowledge extraction and learning: data mining and text mining, machine learning (super-vised, self-supervised, unsupervised, by reinforcement, ...), complex decision rules design, decision process modeling and construction of decision support tools;
- Knowledge management methods and models, including knowledge representation and theories of knowledge reasoning, ontologies and their use in data enrichment and information retrieval, multi-agent systems, and the semantic web, etc.
- Advancing the state of the art in artificial intelligence in order to accomplish complex tasks (computer vision, natural language and speech processing, etc.), developing autonomous decision-making systems or allowing high-level interactions with human users.
- Human-centered approaches towards artificial intelligence methods, eg. considering, trust-ed AI, GDPR in future AI, democratization of AI, integrity of data for fairness, AI ethics to avoid gender/age segmentation.

A total of 36 proposals were submitted in response to the joint call for proposals. Based on the results of evaluation by the experts, JST, DFG and ANR have jointly decided to adopt the nine projects.

Appendices

Appendix: Selected PIs and projects and number of applications and selected Projects

Reference: Evaluation criteria

Contact

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Selected PIs and projects and number of applications and selected Projects

Project Title	Japanese PI	Affiliation
	German PI	
	French PI	
AI for Aging societies: From Basic Concepts to Practical Tools for AI-Facilitated Cognitive Training	Mihoko Otake	Center for Advanced Intelligence Project, RIKEN
	Tonio Ball	Department of Neurosurgery, University of Freiburg
	Alexandre Gramfort	INRIA Saclay Ile de France Research Centre
Artificial Intelligence for Human-Robot Interaction	Takayuki Kanda	Graduate School of Informatics, Kyoto University
	Michael Beetz	Institute of Artificial Intelligence, Bremen University
	Aurélie Clodic	LAAS, CNRS
Learning Cyclotron	Koichi Kise	Graduate School of Engineering, Osaka Prefecture University
	Andreas Dengel	German Research Center for Artificial Intelligence
	Laurence Devillers	Sorbonne University / LIMS1, CNRS
Research on Real Time Compliance Mechanism for AI	Ken Satoh	Principles of Informatics Research Division, National Institute of Informatics
	Adrian Paschke	The Institute of Applied Informatics
	Jean-Gabriel GANASCIA	LIP6, Sorbonne University
Enhanced Data Stream Analysis : combining the signature method and machine learning algorithms	Nozomi Sugiura	Global Ocean Observation Research Center, Japan Agency for Marine-Earth Science and Technology
	Joscha Diehl	Institute for mathematics and computer science, University of Greifswald
	Marianne Clausel	Institut Élie Cartan de Lorraine, University of Lorraine
Adaptive Artificial Intelligence for Human Computer Interaction	Yukiko Nakano	Department of Computer and Information Science, Seikei University
	Elisabeth André	Faculty of Applied Informatics, University of Augsburg
	Jean-Claude MARTIN	LIMS1, CNRS / Université Paris Saclay
Understanding and Creating Dynamic 3D Worlds towards Safer AI	Ko Nishino	Graduate School of Informatics, Kyoto University
	Carsten Rother	IWR, University Heidelberg
	David Picard	IMAGINE, Ecole des Ponts ParisTech

AI empowered general purpose assistive robotic system for dexterous object manipulation through embodied teleoperation and shared control	Yasuhisa Hasegawa	Graduate School of Engineering, Nagoya University
	Jan Reinhard PETERS	Computer Science Department, Technical University of Darmstadt
	Liming Chen	Department of Mathematics and Informatics, Ecole Centrale de Lyon
Knowledge-enhanced information extraction across languages for pharmacovigilance	Yuji Matsumoto	Center for Advanced Intelligence Project, RIKEN
	Sebastian Möller	German Research Center for Artificial Intelligence
	Pierre Zweigenbaum	LIMSI, CNRS

Number of applications and selected Projects

Program Name	Application	Selected
Trilateral call for proposals Japan – Germany – France on artificial intelligence (AI)	36	9

Evaluation criteria

The evaluation criteria are:

- adequacy with the programme scope and designated research fields;
- scientific quality, novelty and originality of the joint research plan;
- sound project management, methodological approach, feasibility and appropriateness of the joint research plan;
- added value to be expected from the research collaboration of the partners of each country involved;
- competence and expertise of teams and complementarities of consortium (interdisciplinary /all necessary expertise);
- appropriateness of resources and funding requested;
- opportunities for early career researchers.