

Short Term Applied Research & Technology Transfer

(ASRT-STARSTech)^{DC} Fellowship Program Cycle 2 2025

General description of the program

- ★ ASRT STARS is a national short-term **Tech Transfer Fellowship Program** dedicated to competent early-career faculty, young research staff, and professors.
- ★ The program is a part of ASRT Action Plan III (2022-2026), a research visits program, to build the national intellectual capital needed to face national challenges through science, technology, and innovation, and supports the country's effort in bridging the knowledge and technological gap in converging sciences and emerging technologies.
- ★ **ASRT-STARSTech Cycle 2** aims to provide Egyptian faculty and research staff members based in Egypt the opportunity to develop their capacities through implementing joint research work, training with **ASRT** international partners "**International Institute for Applied Systems Analysis (IIASA)**" for gaining opportunities in dealing with high-level international scholars, and contributing to technology transfer and localization.
- ★ Technology transfer fellowship program to provide opportunities to qualified applicants in Research, Development, and Innovation (RDI) to acquire new technologies as a part of the national program to deepen the local manufacturing (DLM)
- ★ The maximum duration of the ASRT/STARSTech fellowship is three months.
- ★ The fellowship covers travel costs, including visa, round economy flight tickets, travel insurance, and monthly allowance, but it doesn't cover the bench fee.
- ★ Research fellows are expected to contribute to at least one publishable academic paper in Q1 or Q2 Journals, a short report describing the type of the transferred technology that is being gained through the fellowship, compose short-form science briefs based on their research findings, and present their research in the STARSTech semi-annual research seminars and roundtables hosted by ASRT.

Eligibility Criteria

- ★ The applicant should be an Egyptian affiliated with an Egyptian University, Research Institute, or R&D department in various Egyptian entities (e.g., Egyptian industry, ministries, ...etc.)
- ★ The applicant should not be more than 50 years old at the date of submission and a Ph.D. holder.
- ★ The applicant must be able to identify, communicate, and secure a letter of invitation (Annex 1) from a senior member or research scientists/scholars at the **International Institute for Applied Systems Analysis (IIASA)** to develop a new, innovative research challenge or to participate in even efficient, contribute to, or extend existing world-class research project.

Submission Guidelines

- ★ Applicant is requested to submit:
 - A letter of invitation from a senior member or research scientists/scholars at the **International Institute for Applied Systems Analysis (IIASA)** (Annex 1).
 - Submission of Tech Transfer proposal signed by the applicant on the program template of the call through the ASRT- STARS submission system.
 - A copy of at least one-year valid passport.
- ★ Applications submitted after the deadline will not be considered.
- ★ After acceptance and before contracting, the applicant should provide a signed and stamped approval from the applicant's affiliate institution.

General Evaluation Criteria

The proposals will be evaluated based on:

- ★ The proposal meets the priorities of Egypt's STI Vision 2030 and SDGs.
- ★ The proposed work focuses on/uses emerging technologies.
- ★ Novelty and importance of the technology that the applicant aims to transfer through the fellowship.
- ★ The importance of proposed technology transfer in solving the national challenges, deepening the local manufacturing, and minimizing the import dependence
- ★ The significant value in developing industries based on the utilization of the transferred technology through fellowship
- ★ The applicant's affiliate institution is well-equipped and can suit its dedicated work packages.
- ★ The international rank of the host University/Research Institute.

- ★ Scientific and technological merit of the proposed research work.
- ★ Qualifications of the applicant and host institution in relevance to the proposed work.
- ★ Potential for follow-on national and international collaborative activities.
- ★ The proposal builds on research work previously conducted by the applicant.

Evaluation Process

- ★ The proposals will be evaluated by ASRT.
- ★ Fellowship will be granted to proposals that succeed in meeting all the eligibility criteria, evaluation criteria, and top scores on the technical evaluation.

Financial Support

ASRT-STARS funds:

- ★ A round-trip economy class flight ticket, a travel visa, and travel insurance up to what's equivalent to 1500 US\$.
- ★ A monthly allowance equivalent to 3000 US\$ for a maximum of three months (in accordance with governing rules of the Central Mission Directorate, Ministry of Higher Education and Scientific Research, Egypt).

Research Opportunities at (IIASA)

1- Interested applicants must first consult the website of IIASA to review the different research groups and choose the group best matched to their interests.

- ★ Advancing Systems Analysis (ASA)
- ★ Biodiversity and Natural Resources
- ★ Energy, Climate, and Environment
- ★ Economic Frontiers
- ★ Population and Just Societies

2- Applicants then draft a research proposal that fits in their research interest, that of the best-matched IIASA group, AND the priorities of ASRT as per national interests of Egypt's STI vision 2030 and SDGs as explained in point 3. The proposal must cover:

- ★ A set of research questions the project will address, including hypotheses and expected outcomes
- ★ A brief description of the methodologies the project is planning to deploy

- ★ A brief description of data that the project will use and analyze, specifying whether the data have already been obtained.
 - ★ A broad timeline for the project (preparatory work, time at IIASA, timeline towards publication)
 - ★ A preferred IIASA research group(s) that could host the project/STARS fellow
- 3- While the technical content of the proposal must be approved by IIASA, ASRT will assess funding based on the following criteria:
- ★ The proposal meets the priorities of Egypt's STI Vision 2030 and SDGs.
 - ★ The proposed work focuses on/uses emerging technologies.
 - ★ Novelty and importance of the technology that the applicant aims to transfer through the fellowship.
 - ★ The importance of proposed technology transfer in solving the national challenges, deepening the local manufacturing, and minimizing the import dependence
 - ★ The significant value in developing industries based on the utilization of the transferred technology through a fellowship
- 4- The draft research proposal (template to be found at ASRT submission system), along with the CV and list of publications, is then submitted to NAASAC naasac@inp.edu.eg for review before submission to IIASA.
- 5- The letter of approval from NAASAC, including the approved research proposal and the CV, is then submitted to IIASA at the email asrt.stars@iiasa.ac.at
- 6- Once approved, the candidate will receive a letter of approval from IIASA specifying the research group hosting the applicant and the actual proposal agreed upon.
- 7- The applicant would then submit the IIASA approval (including the research proposal/CV) to ASRT at <http://submission.asrt.sci.eg/> for funding to be approved by ASRT.
- 8- The applicant contacts IIASA to provide them with funding approval and arrange logistics.

Important Deadlines

Submission deadline: December 1st, 2025

Evaluation of proposals and notifying technically eligible applicants: December 30th, 2025

Contracting: January 15th, 2026

Contact US

Email: ASRTSTARS@gmail.com

Call announcement:

<http://www.asrt.sci.eg/open-calls-ar/القصيرة-لنقل-التك-2-برنامج-منح-الزيارات/?lang=ar>