



UConn-Technion Energy Collaboration Initiative

Call for proposals in the field of

Energy Conversion and Storage

SUBMISSION DEADLINE: February 12, 2023

Technion – Israel Institute of Technology and the University of Connecticut are recognized global leaders in the field of energy engineering in all stages of development, demonstration and deployment. In order to promote the UConn – Technion Energy Collaboration Initiative, the Grand Technion Energy Program and UConn's Center for Clean Energy Engineering are launching a joint call for proposals in the field of **Energy Conversion and Storage**, with emphasis on the following research topics:

- Advanced fuel cells: electrodes
- Materials of construction, and performance degradation
- Combined heat and power
- Large energy storage
- Continuous energy supply

The UConn – Technion Collaboration initiative focuses on enhancing technical collaboration between both institutes, foster exchange of students and faculty, technology transfer, and collaborative research. Two projects will be awarded, each receiving a total funding of up to \$90,000 (including VAT) for two years (First year \$30,000 for each side. Second year \$15,000 for each side). **Funding of a project for the second year will be conditioned on deliverables presented after the first year of the project, such as joint publications including proper acknowledgements and\ or submission of a large joint proposal for external funding.**

The program will fund joint projects that demonstrate interdisciplinary collaboration between two or more groups from both institutes. A researcher can be involved in one joint proposal only.

The application process and conditions are:

1. The proposal is not funded by other sources.
2. The request for equipment will not exceed \$10,000 per side.
3. Resulting publications will include an acknowledgment to GTEP and C2E2.
4. At least 10% of the funding must be used for students and faculty exchange and for holding a joint technical workshop.



Collaborations are permitted within Technion and UConn faculty and their research teams only. Collaborations with industry and/or other academic institutions are possible, however Technion and UConn funding will only support the research at the respective institutes.

Granted funds will be processed through the research authorities of each institute. Expenditures will be permitted within the seed funding regulations of the two institutes.

Publications resulting from the supported research should include an acknowledgement as will be provided by both institutes.

A single-proposal, jointly developed by both institutions, covering proposed activities at both institutions should be submitted.

Proposals should be submitted by February 12, 2023.

UConn researchers to Ms. Sheila Ciccone sheila.ciccone@uconn.edu

Technion researchers to Ms. Galit Kinar galitk@technion.ac.il

For questions and inquiries, please contact:

UConn: (860) 486-9204

Technion: +972-4-8295098

The proposals should outline the nature and benefit of the collaboration, clearly stating the role of each of the two or more groups, the motivation for the research, a brief description of the problem that the research will address.

Please include the following files:

1. The Scientific proposal should include the following details:

(Up to 5 pages - including figures and references)

- a) Research title.
- b) Abstract.
- c) Innovation.
- d) Research goals and significance.
- e) Detailed research plan.

Proposal should be sufficiently detailed to judge the novelty and the promise of the proposed research concept, and the feasibility of the proposed approach. The proposal should contain a detailed list of deliverables. The proposal should also describe in sufficient details the coordination of the collaborative research activities, and how the proposed project will be funded to continue beyond the seed funds by the UConn-Technion Energy Collaborative Initiative.

2. Short CV that includes publication list and research grants in the past 5 years for each PI.

3. Requested budget – please find a WORD template attached to this call for proposals.