





BLAVATNIK INTERDISCIPLINARY CYBER RESEARCH CENTER CALL FOR RESEARCH PROPOSALS, 2018

The Blavatnik Interdisciplinary Cyber Research Center (Blavatnik ICRC) solicits cybersecurity-related research proposals. Established in 2014 at Tel Aviv University (TAU) as a joint initiative of TAU and the National Cyber Directorate at the Israeli Prime Minister's Office, the Blavatnik ICRC draws on extensive intellectual networks both within Tel Aviv University and internationally, as well as on ties with government, public and industry stakeholders. Blavatnik ICRC has been facilitating cutting-edge challenge-focused cybersecurity-related research with a competitive grant program. Interdisciplinary proposals are of high interest for this call. Applicants may leverage any academic disciplines, such as Humanities, Social Sciences, Science, Technology, Engineering and Mathematics, Life Sciences, Medicine, Political Science, Education, Psychology, Neuroscience, Environment, Law, Economics, Management etc.

CYBERSECURITY-RELATED TOPICS: SOME ILLUSTRATIONS

Hardware, software, networking, system Social, organizational, behavioral, ethical aspects architecture of cyberspace Autonomous & robotic systems Machine vision & smart mobility Artificial Intelligence & healthcare Algorithmic governance & justice Security of medical data & systems Online social networks & political behavior Human-machine interaction & usability Cybered conflict and warfare Cryptography & cryptanalysis Security of aviation & space systems Smart cities & smart societies Information sharing mechanisms & strategies Law enforcement & cyber crime Capacity building & education Law, regulation, intellectual property in Digital value chains & platform economy cyberspace

Security of cyber-physical systems

Sustainability & technological change







Security of financial & monetary systems

Distributed ledger and cryptocurrencies

Public trust & social cohesion

Cloud services & sovereignty

Measuring risk & security

Big data & deep learning

Security mechanisms, methodologies & strategies

Civil liberties & privacy

RESEARCH TRACKS AND FUNDING TERMS

The research proposals must fit one of the five tracks:

Track	Principal Investigator(s) (PI)	Duration (Max)	Annual Funding (Max ,NIS)
1. Exploratory	Single PI	1 year	80,000
2. Individual	Single PI	2 years	250,000
3. Collaborative	Two minimum, either from the same or different faculties	2 years	200,000 - 600,000
4. Large Interdisciplinary	Three minimum, from <u>different</u> faculties	2 years	300,000 - 1,000,000
5. Industry collaboration	One from academia & one from business (minimum)	2 years	1,200,000 (Industry funds ≥ 50%)

Funding can support the following budget items:

Purpose	% of budget
Scholarships for graduate students	Up to 100%
Scientific and technical staff	Up to 40%
Travel	Up to 10%
Equipment & Literature	Up to 10%
Miscellaneous	Up to 5%







The Blavatnik ICRC expects that TAU grant recipients will be eligible for 'תוספת ב.

ELIGIBILITY

- Track 1: Exploratory. TAU-affiliated researchers are eligible to serve as PIs, provided with a letter of support by a TAU faculty member.
- Track 2: Individual. Faculty members in any university are eligible to serve as PIs, provided with a letter of support by a senior TAU faculty member
- Tracks 3-4: Collaborative & interdisciplinary. Faculty members in any university are eligible
 to serve as PIs, provided at least one TAU faculty member join the research as a PI.
- Track 5: Industry collaboration. Researchers from commercial entities are eligible to serve as PIs provided at least one TAU faculty member join the research as a PI.
- o Co-PIs in Tracks 2-5 can be faculty members in universities in Israel or abroad.
- o An applicant can serve as a PI in up to two proposals at a time.
- Past recipients of Blavatnik ICRC funding remain eligible to apply, as long as they completed previous research, submitted the final report and results.

EVALUATION

The Scientific Committee evaluates the proposals based on scientific criteria and potential impact on the field of cybersecurity-related research broadly defined. Interdisciplinary proposals that bring together PIs from different disciplines and academic units may receive preference.

Applicants will receive Acceptance Notifications for abstracts within two months after submission. The review process for Tracks 2-5 consists of two stages. Applicants for tracks 2-5 that have advanced to the second stage will prepare and submit a full proposal of 10-15 pages. The Scientific Committee may, at its discretion, send proposals for external review and invite PI(s) for a personal meeting for further review.

SUBMISSION GUIDELINES

This document, the budget template and the link to the submission system are available at https://icrc.tau.ac.il/research/call-for-proposals-2018. Only full submissions will be considered.

- 1. Research Proposal Abstract, including:
 - 1.1. The research problem, background, theoretical approaches and research plan,







- 1.2. Short description of cybersecurity relevance,
- 1.3. Research track number,
- 1.4. For Exploratory and Individual tracks: a letter of support by a TAU faculty member,
- 1.5. Format the abstract: up to 1,400 words, Calibri 12, 1.5 line spacing
- 2. A detailed budget request made in the budget appendix template (available online).
- 3. CV of all the Principal Investigator(s), including list of publications.
- 4. PIs that have won ICRC grants in the past must list the academic outputs of these grants.
- Pls that conduct simultaneous research in similar topics must declare the research name, grant name and budget.
- 6. Submit all of the above online by Sunday, March 4, 2018.

TERMS OF THE ICRC GRANTS

All grant recipients are obliged to:

- a) Submit accurate and timely annual reports to the Blavatnik ICRC as well as to the TAU Research Authority.
- b) Present and discuss their research annually in the periodic Blavatnik ICRC events.
- c) Participate in Blavatnik ICRC activities: the annual Cyber Week, seminars, retreats, presentations to relevant delegations visiting Tel Aviv University, etc.
- d) Acknowledge the Blavatnik ICRC support in all resulting publications.
- e) Provide a copy of all resulting publications for the Blavatnik ICRC web repository.

For further information and questions: https://icrc.tau.ac.il/research/call-for-proposals-2018 icrc@post.tau.ac.il 03-6406041