



Call for proposals – Research Funding

KLA-Tencor is searching for proposals for funding of academic research on immature technological concepts in the following areas:

- Optical Microscopy
- Micro-Photonics (Silicon Photonics in particular)
- Developments in scanning probe microscopy methods
- Image Processing
- Optical Light-Matter simulations

About KLA-Tencor:

KLA-Tencor Israel is a subsidiary of KLA-Tencor Corporation, U.S. and serves the lithography process control sector, the driving force behind the digital information society. It was established in the late 70s, when the march towards ever faster and more powerful computer processing was in its infancy. KLA-Tencor Israel has grown to become the dominant global provider of solutions to the challenge of measuring and controlling advanced semiconductor lithography. Between our 2 locations in Migdal Haemek Industrial Park and Kiryat Gat, we employ more than 500 employees who conceive, design, manufacture and service the most advanced metrology systems for sale to the biggest chip makers in the world including household names like Intel and Samsung. These systems measure the geometries and positions of the tiniest imaginable features, now a mere 20 nanometers across, with precision smaller than the width of a single silicon atom.

Eligibility:

The proposed research should address a basic research topic.

- Requests for funding Ph.D or Post-Doc scholarship are eligible, if the student's work is dedicated to the proposed research.
- Requests for funding of Lab equipment or materials are eligible, provided the equipment is required for the proposed research.
- The grant is not aided for funding researcher's salary.

Terms and conditions:

- The researcher is required to maintain ongoing formal communication with KLA-Tencor
- KLA-Tencor funding should be acknowledged in any publication on the topic of the proposed research
- At the end of the funding period, the researcher is required to deliver a lecture to KLA-Tencor representatives, summarizing his research in this period.



Funding level:

25-50,000 US Dollars direct costs.

Time line:

Please submit research proposals to Vicky.palatnik@kla-tencor.com by **November 14th, 2017**.

May you have specific scientific questions or inquiries, please reach out to Dr. Ido Dolev, Director, Advanced Development: Ido_Dolev@kla-tencor.com.