

# Application Development Engineer

## JB - 150

### About The Company:

KLA-Tencor Israel is a subsidiary of KLA-Tencor Corporation, USA and serves the lithography process control sector, the driving force behind the digital information society. It was established in the late 80s, when the march towards ever faster and more powerful computer processing was in its infancy. [www.kla-tencor.com/careersisrael](http://www.kla-tencor.com/careersisrael)

### Job Description:

- Developing advanced applications and algorithms for state of the art Optical Metrology systems. Developing test cases; characterize customers defects, new products and/or features.
- Provide technical support in the development and implementation of customer applications dealing with Optical Metrology products and features.
- Providing escalation support to onsite field service engineer; Leading and coordinating remote/local troubleshooting.
- Developing recipes to model complex optical applications.
- Providing application support and training to customers directly.
- Presenting solutions to the customer.
- Supporting Pre and Post Sale activities.

### Requirements:

- PhD or MsC in Physics, Optical Science/Engineering, Chemical Engineering, Physical Chemistry, Electrical Engineering, Materials Science
- At least 2 years of experience with Metrology or Lithography processes.
- Knowledge of at least one of the following is required: Optical systems, Semiconductor processing and Fabrication, Algorithm development and implementation in Matlab (or similar SW tool)
- Experience in the semi-conductor industry, mainly in the lithography process
- Travel (on average  $\leq 25\%$ ) will be required
- Self-driven, yet a strong team player.

Please send CV's with the position's Job Code (JB-150) to : [Academic@kla-tencor.com](mailto:Academic@kla-tencor.com)



The future is calling.  
WILL YOU ANSWER?

# R&D Student

## JB-164

### About The Company:

KLA-Tencor Israel is a subsidiary of KLA-Tencor Corporation, USA and serves the lithography process control sector, the driving force behind the digital information society. It was established in the late 80s, 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.

[www.kla-tencor.com/careersisrael](http://www.kla-tencor.com/careersisrael)

### Job Description:

The candidate will perform simulations of novel Semiconductor processes and metrology using world leading simulation tools.

The job scope includes learning of advanced semiconductor processes and optical metrology concepts, understand coming challenges, think innovatively, and test possible solutions.

### Job Requirements:

- Student for Ph.D. or M.Sc. in Physics/ Electrical Eng/ Chemistry / Material science/Nano-Technology.
- Experience in Matlab or other similar simulations & analysis platform- a must.
- Knowledge in the semiconductor industry and fabrication processes- an advantage.

Please send CV's with the position's Job Code (JB-164) to :

[academic@kla-tencor.com](mailto:academic@kla-tencor.com)

**KLA Tencor**

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**WILL YOU ANSWER?**