Research Engineer - Metrology R&D

We are looking for:

- A highly motivated scientist to join an R&D team that develops technologies and algorithms to be in the heart of the most advanced optical metrology systems used in the semiconductor industry.
- Advanced data analysis, developing machine learning capabilities associated with physical insights
- Design of experiment
- Physical and mathematical modeling
- Simulations of interactions between light and complex grating structures
- Developing algorithms for the state of the art optical metrology systems
- Close interaction with customers in the USA and East-Asia that are the leaders in the semiconductor industry
- manufacturing industry (up to 20% travel time)

Requirements:

- Advanced degree in physics/electrical engineering/applied mathematics/biomedical engineering or related fields from a leading university
- Data analysis skills, machine learning knowledge
- Experienced in optics/optical metrology/diffraction grating structures/algorithm development- advantage
- Analytical capabilities and good physical intuition
- Highly familiar with programming tools such as MATLAB/Python

Work Location: Migdal HaEmek, Israel

Transportation Services are available

Relevant CV to Ella.kogan@kla-tencor.com