

Researcher Optics

with expertise in Fourier Optics and Diffractive Optical Elements in Nano-Electronics MOEMS

Imec's NVision team has a long-standing tradition in efficient video and image coding techniques. We are now working on the latest techniques in video and image applications, especially focusing on combining image data coming from several cameras and angles. These next generation vision systems require a tight integration between the optical system, electronic read-out and image processing to deliver an optimal solution.

Job description

Your tasks will be:

- Analyzing theoretical and practical limits of diffractive optical systems, working out trade-offs, designing high-quality demonstrators;
- Optical experiments and interpretation of the results;
- Work in a team of experts to define new visualization systems;
- Reporting of technical progress to our research partners;
- Publication of your results in conferences and journals.

Profile

- You have a Master or PhD degree in applied optics, preferably with some years of professional experience;
- Solid theoretical knowledge of Fourier optics is a very strong asset;
- Practical experience with diffractive optical elements, diffractive micro-structures, spatial light modulators and/or electro-optics is a very strong asset. You are capable of devising experimental setups with complex diffractive micro-structures from theoretical as well as practical point of view;
- You have a basic knowledge of integrated circuit processing technologies or an interest to learn more about them;
- You are eager to learn, read literature and contribute to leading edge research;
- You are an enthusiastic, creative and ambitious team player;
- Fluency in English is a must in imec's international working environment.

Interested?

The employee will report to **Johan De Geyter**, tel. 1492.
For more information about this vacancy, please contact **Annemie Van Loock**, tel. 7865.

For payroll employees apply [here](#).
For non-payroll employees go to www.imec.be/jobs

