

VACANCY: Optical systems computational imaging integrator

An experienced computational imaging scientist focused on algorithm enhancement and high speed image processing is sought. The candidate will be working in close collaboration with a team of optical engineers developing integrated optical systems for scientific, medical and defence applications.

The candidate must be the holder of a **doctorate in optical engineering, physics or similar**, with a strong focus on metrology and/or machine vision. The candidate shall be a motivated individual with the ability to work in trans-national teams including a wide range of expertise to develop new optical solutions to resolve concrete shortcomings of existing technology.

The successful candidate shall be working with a group of opto-mechanical and electro-optical engineers on the development of a metrology inspection instrument which combines the techniques of optical coherence tomography and machine vision. This innovative industrial inspection system requires integrated control and acquisition software beyond the state of the art to be developed. The main focus of the position will lay in the optimisation of the instrument's components, their data acquisition speed and the image processing for comparison to the customer's CAD for pass-fail tests. The control algorithms shall bring a demonstrable improvement to the instrument performance.

Requirements:

- Hold a PhD in computational imaging or similar topic.
- Demonstrable experience in hardware control software development, image acquisition and processing, and algorithm optimisation.
- Knowledge of metrology, and optical and mechanical design software a plus.
- The candidate must be proficient in English.
- Have an in-depth knowledge of Python or C
- Comply with the MSCA rules of mobility

Benefits:

- Competitive industry salary
- Inclusion in a motivated multi-disciplinary team
- Innovative work, always at the forefront of technology
- Opportunities for training and personal development
- Opportunity to travel, either for scientific or technical conferences or to visit clients at their facilities.

Contact

Candidates should send their CV, Cover letter and other relevant documents to: info@aseoptics.eu

Reference: Optical Design Engineer Job Vacancy