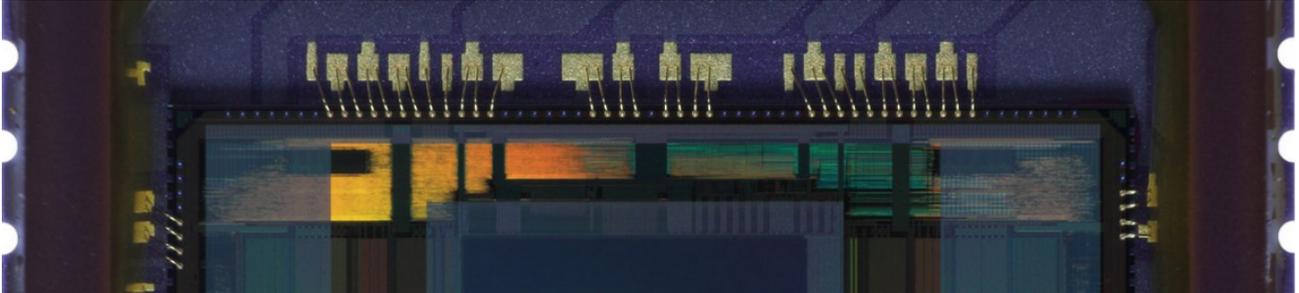# Analog IC Design Engineer (graduate)

About Photolitics

We are a team of world-class analog design professionals in providing high-performance analog and mixed-mode circuits for leading custom machine vision CMOS image sensor devices. We have a vast connection network of multi-national companies that shape the market in scientific, medical and industirial machine vision imaging applications. Photolitics is currently looking for highly motivated individuals to start-up its design office in Bulgaria.

The available position

As a recent graduate you will have the opportunity to gain experience in both integrated circuit design, as well as specific to the CMOS imaging field expertise. On a daily basis you will develop analog circuit blocks in the guidance of professionals in integrated circuit design. You will learn about semiconductor design and fabrication steps and have the ability to gain knowledge in research and development of CMOS image sensors.

Specific Job Duties:

◇ Learn and gain relevant knowledge in analog integrated circuit design from senior designers

◇ Perform schematic and layout design based on the guidance of senior designers

◇ Test and characterize imaging sensor systems and integrated circuits

◇ Solve challenging programming tasks for Electronics Design Automation in inspiring languages such as: Perl, SKILL, Python, Matlab and C

Qualifications:

◇ Graduate level knowledge of circuit design and basics of microelectronics fabrication

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◇ Familiarity with CAD tools for electronics design

◇ Familiar with lab instruments: oscilloscope, logic analyzer, signal generator etc…

◇ Good communication skills

Other analog design experiences in one or more of the following fields is preferable, but not required:

◇ Knowledge in fundamentals of optics and physics of light or optoelectronics

◇ Experience with electronics hobby projects design

◇ Basic skills in FPGA design or microcontroller programming

◇ Familiarity with the linux operating system and programming languages such as C, Python, Shell, Perl, Java

Education:

◇ BSc in electrical engineering

◇ Candidate must be an active team member and be proactive in gaining new skills

What we offer:

◇ Stimulating work environment and endless possibilities for growth into experienced solid-state image sensor R&D scientist

◇ Encouragement to publish work in highly-ranked scientific journals and have the ability to participate in scientific conferences and training courses

◇ Work with state-of-the-art CMOS fabrication nodes, gain an in-depth knowledge of solid-state semiconductor design

◇ Work package of 25 paid holidays yearly

◇ Generous relocation package and assistance

◇ Highly competitive salary

Photolitics is an equal opportunities employer.
Additional information on the position can be obtained from Deyan Levski at:
deyan.levski@photolitics.com
To apply, please send your application with the usual document (CV), with an example of your prior experience to: deyan.levski@photolitics.com

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