

SEMINAR: Beyond the lens: optical design and engineering for custom, fully integrated, optical systems development and manufacturing

THOMAS SIEGEL

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12:30 to 13:30

BLR

Abstract:

ASE Optics Europe specializes in engineering and development of precision optical, optomechanical and optoelectronic systems. From concept design to manufacturing, we work closely with the customer to advance in the development of his product, quickly and efficiently. We create optical devices considering all the different aspects and requirements: material properties, manufacturing techniques, costs, available technologies and other restrictions that might affect the project.

BIO Thomas Siegel:

Masters in physics (2006) and PhD in quantum optics and laser science (2010), both from Imperial College London. Research career furthered by one year of postdoc in the cold plasma group in UNAM, Mexico (2011-2012) and three years of postdoc at Imperial College London (2010-2011 then 2012 - 2014). Through these years in academia, built a solid knowledge and understanding of lasers, light handling systems and synchronisation techniques down to the attosecond timescale.

Head of R&D at ASE Optics Europe (2014 - ongoing) in charge of the R&D team and ECQA-certified EU project manager. Together with the rest of the R&D team, have developed optical systems for many applications, such as medical, defence and large scientific installations. Technical background enabling the rapid finding of effective solutions to the problematics, and a thorough time-keeping of the team's deadlines to ensure the timely delivery of all projects.

Website: [ASE Optics - Ingeniería Optica](#)

Hosted by: Turgut Durduran