

# CALTA Industrial Placements

Centre for Advanced Laser Technology & Applications



## Why work for CALTA?

CALTA are a team of talented scientists and engineers, working on several challenging international projects simultaneously.

Placement students spend their days working with and learning from these people, to develop new skills that they can apply to their own project. This will provide placement students with invaluable experience and exposure to world-class science and technology.

STFC also offer a wide range of benefits including a generous 30 days annual leave per year and a flexible working scheme as well as discounts at a number of retailers and a cycle to work scheme.

## Industrial placement schemes

CALTA offer a 12 month placement for undergraduates studying physics, engineering or a closely related discipline, wishing to spend a year gaining invaluable practical experience and developing skills that will continue

to benefit them well after the placement has finished.

Placement students are provided with the opportunity to both lead their own projects and work alongside technical experts at the forefront of scientific research. Student projects usually consist of both an experimental and computational aspect to give the student the opportunity to develop a wide skill-set.

## What we are looking for

We are looking for creative, self-motivated individuals with a practical approach to problem-solving and a desire to learn. If you enjoy the challenge of solving real-life problems and working in a stimulating environment, you will find being a part of CALTA very rewarding.

■ CALTA developed the world-leading laser architecture known as DiPOLE, based at the Central Laser Facility (CLF) in Oxfordshire.

■ CALTA built the world's first DiPOLE-based, kilowatt-level, diode-pumped, solid-state laser producing 100 J pulses at an unprecedented repetition rate of 10 Hz.

■ Two DiPOLE systems are now installed at facilities in the Czech Republic and Germany and more DiPOLE-based systems are currently under development at the CLF.

**Location**  
Didcot,  
Oxfordshire, UK.

**Pre-requisites**  
Eligible to work  
in the UK.

**Desired Degree discipline**  
Physics (or Natural Sciences with a high physics content), predicted 2:1 or higher.

Related Engineering, predicted 2:1 or higher.

Including relevant laboratory experience, e.g. experimental modules.

**How to apply**  
Apply online at:  
<https://careersportal.co.uk/UKRI-careers/>

**Closing date**  
31st October 2021.

**Where to find us**  
Central Laser Facility,  
STFC Rutherford Appleton Laboratory,  
Chilton, Didcot, OX11 0QX.



“Working with CALTA has been an absolute delight - they have been really helpful and supportive! While my background is in Electrical and Electronic Engineering, I have had the opportunity to develop the skill-set of both an engineer and a laser scientist. Along with the opportunity to learn new skills in programming, optics, and high-energy lasers, this placement has given me really valuable skills to further my future career prospects.”

Vivienne, 2020-21



“I'm really glad I completed my placement year with CALTA. I learnt so much from being surrounded by helpful, friendly people who are very talented at what they do! Everyone was very approachable, happy to help and there was no such thing as a dumb question!”

Ollie, 2020-21



Science and  
Technology  
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