Training Solutions
LASER MASTERCLASS
Enhance your Hands-On Laser Experience

thalesgroup.com
Training Solutions

LASER MASTERCLASS
Enhance your Hands-On Laser Experience

Overview
This high-value-added training course combines trusted Thales expertise with real customer experience and feedback to provide participants with a robust, accurate understanding of their systems and consolidate their position within the scientific community.

Operating multi-TW to multi-PW lasers requires excellent knowledge and expertise, which must be maintained and developed through research and masterclass training. Thales training is based on solid academic foundations and focuses on the acquisition of expertise through extensive practical sessions; up to 75% of the training is spent working directly with optical tables and lasers.

Applications
Trainees will be able to carry out precise technical tasks such as realigning an amplifier, a Cross-Polarised Wave (XPW) filter or a compressor, as well as measuring associated parameters. They will also benefit from practical guidance on these laser systems. These skills are crucial for the correct operation of a Chirped Pulse Amplification (CPA) laser chain across a wide range of applications.

Features and Benefits
- Improve users knowledge
- Solid academic foundations
- Extensive practical sessions
- Practical guidance on laser systems
- Precise technical tasks
- Trusted training programme led by professionals

Partners and Credentials

Polytech (Paris-Sud University) was ranked 9th in the 2020 Shanghai Academic Ranking of World Universities.

Innovative Opportunity
A Laser Masterclass is a fantastic way to network with industry professionals at Polytech (Paris-Sud University) and the Laserix laboratory.

Day 1
FUNDAMENTALS OF OPTICS
Basic optical tables
Optics Valley Paris Saclay

Day 2
FUNDAMENTALS OF LASERS
HeNe laser tables, femtosecond oscillator...
Optics Valley Paris Saclay

Day 3
LASER FACILITY OPERATION
Large laser facility operation
Optics Valley Paris Saclay

Day 4
FLASH LAMP PUMPED SOLID STATE LASER OPERATION
SAGA HP laser bench
Élancourt

Day 5
HIGH CONTRAST SYSTEM OPERATION
Chirped Pulse Amplification-1 & XPW bench
Élancourt

Thales LAS France SAS – 2, avenue Gay-Lussac – 78990 Élancourt – FRANCE
Tél. + 33 (0)1 30 96 70 00 > thealesgroup.com <

©THALES – August 05 2021 – Technical characteristics are given for information and subject to change without prior notice