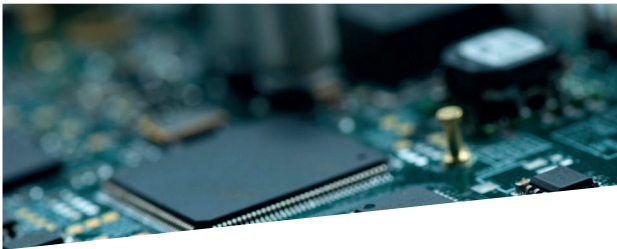
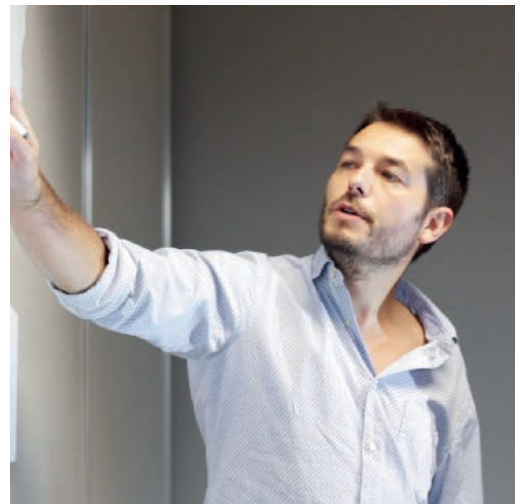
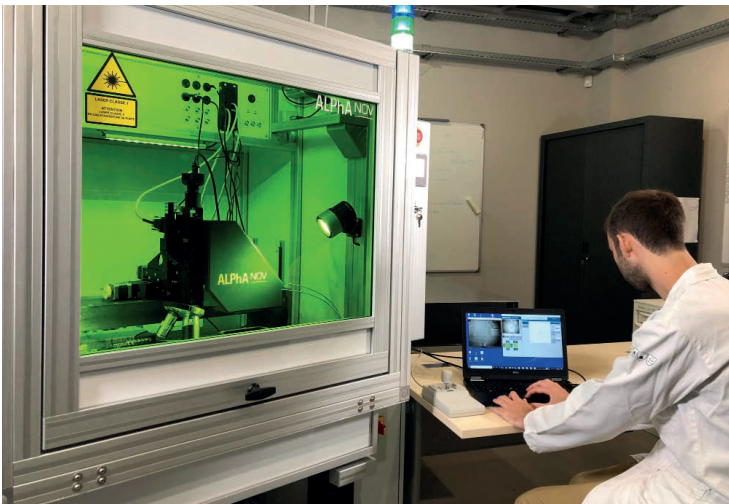
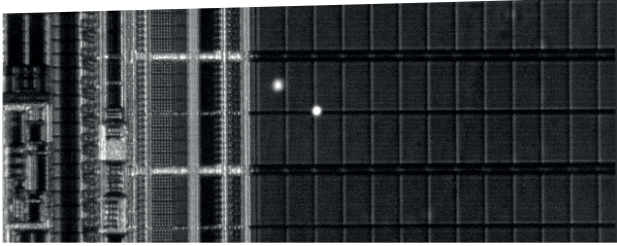


Laser Fault Injection Training



PYLA
TRAINING CENTER
Laser, Optics, Photonics
RF & Microwaves

Laser fault injection

Ref. AOL-017

2 DAYS (14H)

OBJECTIVES

Understand laser and optics physical phenomenons on integrated circuits leading to a logical fault.

Understand a typical laser setup for fault injection in line with the current state-of-the-art.

Manage in the lab a successful fault injection on a real device.

Learn how to analyze and interpret laser fault injection results.

Understand and tackle the challenges of a laser fault injection test campaign.

PUBLIC

Users or future users of laser fault injection benches.

Technicians, engineers, researchers.

Undergraduates and Ph.D. students.

EVALUATION

Assessment.

Certificate of completion.

INSTRUCTORS

Experts in laser and optics (ALPhANOV engineers).

Experts in IC security analysis (eShard engineers).

IN PARTNERSHIP WITH



PROGRAMME

Basics concepts in optics and laser.

Laser fault injection principles.

Presentation of a typical laser fault injection setup.

In our dedicated lab for training, you will be able to set yourself the whole laser fault injection setup:

- Understand what makes an attack successful.
- Drive any single equipment.
- Design a test campaign for a specific attack scenario.

Laser safety instructions.

In our dedicated lab for training, during this hands-on session, you will:

- Work on the DUT.
- Set up the laser bench.
- Prepare a campaign.
- Launch laser fault injection tests.

Analyse and interpret the results of the campaign using software tools.

Understanding and methodology to overcome issues and challenges during real conditions laser fault injection test campaign.

Maintaining a laser fault injection bench in good operating conditions.

Actual states-of-the art of laser fault injection techniques.

METHODS & EDUCATION TOOLS

Lectures: 50%.

Hands-on training: 50%.



Location: ALPhANOV - Bordeaux - France.

Dates: on-request.

Prerequisite: degree in microelectronics.

Registration fees: contact us - contact@pyla-formation.com