



# BLAST AND IMPACT EFFECTS AND ANALYSIS 2026

## Short Course

FROM THE 07<sup>TH</sup> TO THE 11<sup>TH</sup> OF SEPTEMBER

**Military Academy  
Lisbon, Portugal**

### PROGRAMME

EU framework for critical infrastructure protection (CIP)

Vulnerability analysis in critical infrastructures

Blast effects and blast loading calculations

Impact effects and loading calculations

Single degree of freedom analysis method

Steel and reinforced concrete design

Glass design

Response of Ultra-High-Performance Concrete (UHPC) to projectile impact

Vehicle ramming attacks – protective barriers and energy absorption systems

Glass analysis under impact loading



### LOCATION

Portuguese Military Academy  
Rua Gomes Freire  
1169-203 Lisbon, Portugal



### REGISTRATION OPTIONS

Free – Military personnel (cadets and officers)

50€ – Engineering students

400€ – Engineering and other professionals

(Coffee break and lunches included)

(Military personnel and Erasmus students can apply for accommodation subjected to the available capacity)

### WHO CAN ENROLL?

Military engineering cadets

Engineering students

Engineering professionals

Military engineering officers

Other professionals working on the field of blast and impact effects and analysis

### APPLICATIONS

Applications are open until

August 14<sup>th</sup>

For more information, please contact us by emailing [ccpi@academiamilitar.pt](mailto:ccpi@academiamilitar.pt)

Organization:

Partner Institutions:

