



BLAST AND IMPACT EFFECTS AND ANALYSIS 2023

Short Course

FROM THE 04TH TO THE 08TH 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)
- Engineering students
- Engineering and other professionals
- (Coffee break and lunches included)
- (Military personnel 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 July 15



For more information, please contact us by emailing ccpi@academiamilitar.pt

Organization:

Partner Institutions:

