

Venue: Rithymna Beach Hotel, 78 km west of Heraklion, which is served by direct flights from Europe and Athens and by ferries from Piraeus, the port of Athens.



# 2022

## INTERNATIONAL CONFERENCE ON APPLICATIONS OF NUCLEAR TECHNIQUES

CRETE22 is the sixteenth in a series of international conferences on applications of nuclear techniques. The conference offers a relaxed and convivial forum for scientists to present and discuss their research on the use of nuclear radiation detection techniques in diverse areas of fundamental and applied science.

**CRETE, GREECE**  
**JUNE 26 - JULY 2, 2022**

### Conference Organizers

Anna Erickson (Chair, Georgia Tech)  
Suzanne Nowicki (Technical Chair, Los Alamos National Laboratory)  
Evangelos Gazis (Local Chair, National Technical University of Athens)

### Advisory Committee

George Vourvopoulos (Chair Emeritus)  
Nick Gazis (European Spallation Source)  
Willy Kaye (H3D Inc.)  
Alexei Klimenko (Los Alamos National Laboratory)  
Mitaire Ojaruega (NGA)  
Michael Short (Massachusetts Institute of Technology)

### Topical Areas

- Nuclear safeguards, security and forensics
- Accelerators and neutron generators
- Medical and biological applications
- Space applications
- Quantum sensing
- Physical signatures of enrichment
- Applied antineutrino physics
- Detectors and materials in nuclear security
- Imaging and algorithms in nuclear safety and security
- Machine learning in nuclear security
- Additive manufacturing in nuclear nonproliferation

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