

# Dissemination Event


You are kindly invited to the dissemination event organized within the framework of the “BAM - Blast and Fire Resistant Material” project. The scope of the event is to present the methodological approach applied for the design, development and validation of two new building materials, which will offer the appropriate resistance against blast, impact and fire.

RSVP by 17 May: [info@recsengineering.com](mailto:info@recsengineering.com)

For more information, please don't hesitate to contact us:

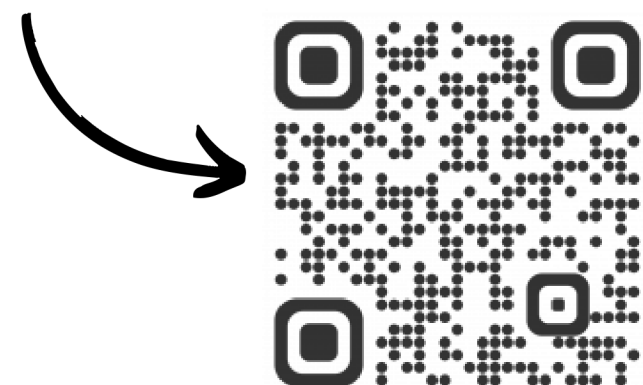
Tel: +357 22150366

The project (Blast and Fire Resistant Material, Contract Number: EXCELLENCE/0421/0137) is implemented under the programme of social cohesion “THALIA 2021-2027” co-funded by the European Union, through Research and Innovation Foundation

 **Tuesday, 21/05/2024**

 **10:00 - 13:00**

 **RECS premises**



## Host Organization



## Project Partners



# The BAM Project

Over the last decade, the construction works are ongoing, however only in the recent years the safety of such infrastructures has gained increasing attention, particularly the issues of fire, blast and impact.

This transformation in the mentality is attributed to a series of large fires and blast incidents (e.g. terrorism attacks) that have taken place in the last years, which have been responsible for dramatic incidents, which led to human casualties, major structural damages and serious consequences for the regional economies.

The existing materials either cannot offer protection against both circumstances or their cost is unaffordable. The BAM project addresses these challenges, targeting to the design, development and validation of two new building materials, which will offer the appropriate resistance against blast, impact and fire, according to the relevant standards, considering that currently there is no such material that can offer both services.

# Agenda

- 10:00 – 10:10 Welcome**  
Dr Demetris Nicolaidis, Project Coordinator, Frederick Research Center
- 10:10 – 10:30 BAM Project: Methodological Concepts, Practical Challenges and Key Findings**  
Dr Demetris Nicolaidis, Project Coordinator, Frederick Research Center
- 10:30 – 10:50 Development of a Hybrid Laminated Material (HLM): The Fire-Resistant Geopolymer (FRG) Layer**  
Mr. Ponsian Robert, PhD Candidate, Frederick University, Frederick Research Center
- 10:50 – 11:10 Development of a Hybrid Laminated Material (HLM): The Blast Resistant Ultra High-Performance Fiber Reinforced Concrete (UHPFRC)**  
Ms. Konstantina Oikonomopoulou, PhD Candidate, University of Cyprus
- 11:10 – 11:30 Development of a Smart Composite Geopolymeric Concrete (SCGC): Key Findings and the Way Forward**  
Mr. Ponsian Robert, PhD Candidate, Frederick University, Frederick Research Center
- 11:30 – 12:00 Discussion**
- 12:00 – 13:00 Reception**