



AALBORG UNIVERSITET

HORIZON EUROPE 2026/2027 CALLS

MISSIONS AND CROSS-CUTTING ACTIVITIES

AAU Fundraising & Project Management Office

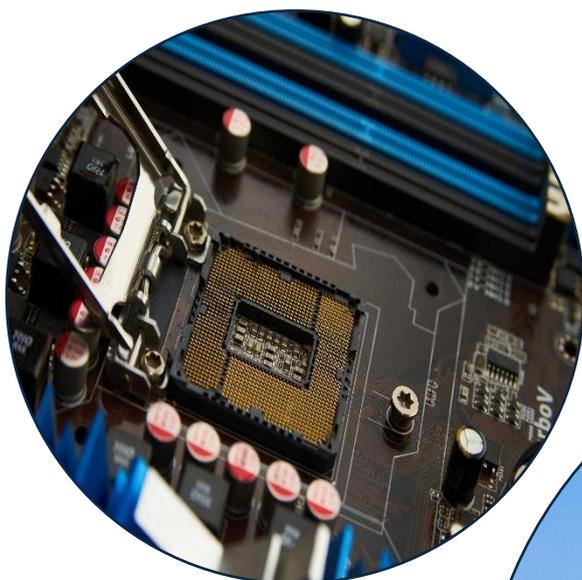


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INTRODUCTION

AAU HORIZON EUROPE COMPENDIUM

Interested in finding academic partners for the upcoming Horizon Europe calls? At AAU, we have collected, mapped, and showcased AAU researchers' interest in collaborating on specific topics within the six clusters of Pillar 2 (including EU Missions & Cross-cutting activities). Each compendium displays our showcased researcher's relevant expertise within each identified topic, which makes it easy to locate AAU researchers who are interested in collaborating and providing their expertise in your next Horizon Europe proposal.

ABOUT AAU

AAU has campuses in Aalborg, Copenhagen, and Esbjerg, as well as an EU office in Brussels. We have 3.700 staff, 18.000 students and an annual turnover of DKK 3 billion.

AAU is a comprehensive university covering four faculties and 18 departments, such as Sustainability and Planning, Energy, Health Science and Technology, Computer Science, Built Environment, Politics and Society, Culture and Learning.

With problem-based learning at the heart of educational programs, AAU researchers and students are well-equipped to take on current and future societal, environmental and economic challenges.

OUR PROFILE AND DNA – WHY SHOULD YOU PARTNER WITH US?

Collaboration is heavily embedded in the DNA of AAU. We have a strong and natural collaboration with industry and the surrounding society – thus our current strategy is labeled "Knowledge for the World 2.0".

We are a mission-oriented university, with three identified AAU Missions:

1. A Sustainable Danish Energy System
2. Improved Wellbeing Among Children and Youth in Denmark
3. Improving Health Through Coherence and Individualisation

As the second best ranked engineering university in Europe, and being no. 16 globally (ranking from the U.S. News & World Report), as well as being in top 5 of universities pursuing the UN sustainable development goals (THE University Impact Rating), we are a very capable partner and collaborator.

AAU has contributed as coordinator or partner in close to 200 projects in the EU Horizon 2020 Framework Programme. For Horizon Europe we have – so far – contributed to more than 150 projects. We are setting even more ambitious targets for Horizon Europe in 2025 and going forward.



CHAPTER 1

Deploying Strategic Cyber Capabilities Across Europe (DIGITAL-ECCC-2025-DEPLOY-CYBER-09)

DEPLOYING STRATEGIC CYBER CAPABILITIES ACROSS EUROPE (DIGITAL-ECCC-2025-DEPLOY-CYBER-09)



Sajad Homayoun

Department of Electronic Systems
The Technical Faculty of IT and Design

CONTACT INFORMATION

Sajad Homayoun
sajadh@es.aau.dk
+45 99409327
<https://vbn.aau.dk/en/persons/sajadh/>

HIGHLIGHTED AAU RESEARCH GROUPS

I am the Research Group Leader for the Cybersecurity Research Group at Aalborg University, a team working across network security and cyber ranges, AI in cybersecurity and cybersecurity in AI, offensive and defensive security, post-quantum cryptography, trusted computing and IoT security. The group focuses on developing new foundational and practical knowledge, tools, and methodologies to strengthen the security of modern digital infrastructures.

RELEVANT LINKS OUTSIDE ACADEMIA

Connections to the cybersecurity companies
Energy sector
Connection Through our previous students working in different sectors
The Pioneer Centre for Artificial Intelligence in Denmark

AREA OF EXPERTISE

Autonomous Cyber Defense
Machine learning for intrusion detection
Adversarial machine learning
Malware analysis and adversarial attack methods
Cyber range and simulated enterprise environments
AI-based cyber threat detection and false-positive reduction
Security of smart homes and IoT networks
Security of industrial control systems (ICS/OT)
Large-scale dataset creation for intrusion detection and ML research
Network traffic analysis for cybersecurity

I have extensive experience in applying and deploying AI in Cybersecurity.