Cluster 3

Civil Security for Society

Cluster 3 responds to the challenges arising from persistent security threats, including cybercrime, as well as natural and man-made disasters.

In addition, it builds on lessons learnt from the COVID-19 pandemic to strengthen prevention, mitigation, preparedness and capacity building for crises (including health crises) and to improve cross-sectoral aspects of such crises.

AREAS OF INTERVENTION

- disaster-resilient societies
- protection and security
- cybersecurity

Source: Cluster 3

PhD
Jakub Ryzenko
CRISIS INFORMATION CENTRE

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EXPERTISE

The main objective of the Crisis Information Centre is to increase the effectiveness of rescue, crisis management and humanitarian aid activities by:
• development of new solutions, procedures and know-how for operational use of GIS, satellite observation and UAVs,
• operational support in use of satellite and UAV-based information (delivery of information products and expert advisory),
• organisation of trials, tests, demonstrations and exercises related to new technologies and procedures.

SEEKING FOR COLLABORATION WITHIN

emergency management, civil protection, satellite remote security, privacy, deep learning, UAV technologies

RELEVANT PROJECTS

OVERWATCH
COLLARIS Network
ARTION
DRIVER+

PhD, DSc
Paweł Morawiecki
CRYPTOGRAPHY TEAM

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EXPERTISE

Our laboratory is focused on cryptography and security. In particular, we are interested in applying deep learning to security and privacy.

SEEKING FOR COLLABORATION WITHIN

security, privacy, deep learning

RELEVANT PROJECTS

PRIVNE
ComCrypt
EfEncrypt

Professor
Wojciech Jamroga
THEORY OF DISTRIBUTED AND COMPUTING SYSTEMS GROUP

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EXPERTISE

Wojciech Jamroga works on formal specification and verification of interaction between intelligent agents. He is particularly interested in formalizations of confidentiality, coercion-resistance, and voter-verifiability in e-voting procedures. Prof. Jamroga has coauthored around 150 refereed publications, and has been a PC member of most important conferences in AI and multi-agent systems. His research track includes Best Paper Award at the main conference on electronic voting and Best Demo Award at the main multi-agent systems conference.

SEEKING FOR COLLABORATION WITHIN

formal verification, logical methods in AI, secure electronic voting, models of socio-technical systems

RELEVANT PROJECTS

SpaceVote
SAI
STV
VoteVerif