



Horizon 2020 Secure Societies European Info Day and  
Brokerage Event

**Brussels , 6-7 March 2017**

JOANNEUM RESEARCH

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- **Applied R&D** – innovative partner for business and administration
- Based in Graz, Austria
- DIGITAL Institute for Information and Communication Technologies specialises in web technologies, image, video, acoustic signal processing together with remote sensing, communication, human factors and **security technologies**. These technologies are implemented in hardware and software leading to **application oriented solutions** using scientifically state-of-the-art methods.
- A team of experienced **software engineers** together with experts in **information** and **network security** specialized in **security models** for critical infrastructures and **data analytics** for cyber incident detection
- Domains ranging from industrial control systems to smart buildings, from energy systems to smart mobility.

# DS-07-2017: Enhancing Cyber Security through Structural Network Analysis



- Objectives:
  - to achieve an estimation of a network's security status based on its topological characteristics obtained from black box network scanning
- Expected results
  - First assessment of a network's overall security from black box scanning alone
  - Identification of hotspots to increase the efficiency of more thorough security analyses
  - Structural approach supplementing the security measure proposals with topological (network architectural) ones

# Consortium - profile of known partners and Required Partners



No	Partner Name	Type	Country	Role in the Project
01	JOANNEUM	RTD	AT	Technology R&D
02	??	SME		ISP
03	??	IND		Solution Provider, Exploitation
04	??	IND		Multinational
05	University?	RTD		Expert in Graph Theory
06				
07				
08				



# Further project ideas

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- DS-07-2017:  
Cyber Incident Detection through Advanced Machine Learning
- DS-08-2017:  
Privacy Aware MultiMedia Processing





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