# *Applied Informatics in mHealth*
Biomedical Engineering Laboratory
Institute of Communications and Computer Systems, National Technical University of Athens
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This presentation is for

- ☐ **Workshop 1** Big Data
- ☐ **Workshop 3** Photonics and Micro-and-Nanoelectronics
- ☐ **Workshop 2** Robotics
- ✓ **Workshop 4** internet of Things

Description of the Organization
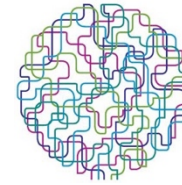
- 152 Completed Projects – Coordinated 22 (Since 1990)
- Max Concurrent Projects 14
- 4 Societal Challenge 1 (Healthcare) Projects
- 2 Marie Curie Projects
- 18,313,542 Million Euros in Funding
- 1 Professor
- 1 Research Director
- 5 Post-Doc Researchers
- 15 Current PhD Students
- 1 Financial Manager
- 2 Administrative Assistants
- 2 Active Research Teams
  - Applied Informatics in mHealth - AiM
  - Computational Intelligence & Machine Learning - CiMa
- 2 New Research Teams to be formed
  - Artificial Intelligence in Health

Description of the your research interest

- **AiM** was established in 2014. Its purpose is to capitalize on research results provided by BEL, trying to move them as close to the market as possible. The AiM team collaborates with industry and highly innovative SMEs in order to provide solutions to complex problems or suggest exciting new products for their product line-up

- **BEL** of the School of Electrical and Computer Engineering of NTUA, was established in 1989. BEL had the presidency of E-Health Forum 2014, which was organized under the auspices of the Greek EU Presidency in cooperation with the European Commission, and was one of the founders of HL7 Hellas. These activities cover a wide range of Basic and Applied Research in specialized Biomedical Engineering fields. The main research areas of BEL's expertise include: Medical Data Management Systems, Medical Informatics, Telemedicine, Biorheology - Clinical Hemorheology, Neural Networks in Medicine and Healthcare, Biosensors, Virtual Reality in Medicine and Healthcare, Radiation-Tissue Interaction, Ultrasound Technology as well as Biosignal and Medical Image Processing. BEL also has sound experience in using chaotic algorithms and Decision Support Systems based on Neural Networks, signal processing and data fusion algorithms, but also SOA Architecture, Web services and Interoperability Standards, Home Care Systems and Services and e-Health Applications.
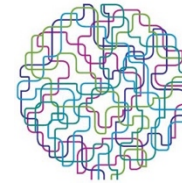
- Objectives:
  - to take advantage of IoT to correlate data streams for healthy individuals
  - to improve sensor aggregation and break the "island" concentration
  - To provide better/richer inputs to a medical DSS
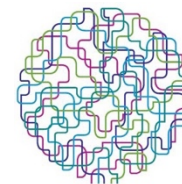
- Expected results
  - …
  - …

PrivilEDGE Architecture
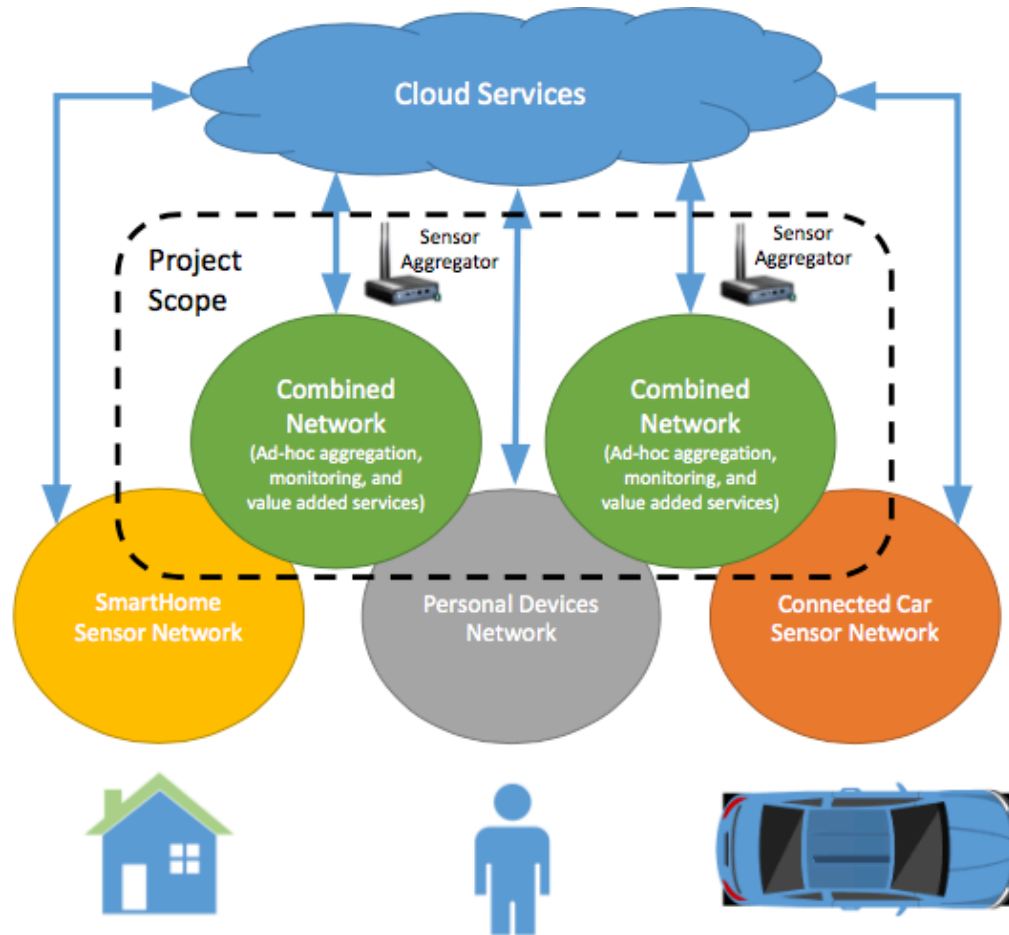
Consortium - profile of known partners *(if any)*

No	Partner Name	Type	Country	Role in the Project
01	Adaptant	SME	DE	Coordinator, Edge Security
02	**ICCS**	R&D	**GR**	**Sensor Integration, Data Management**
03		IND		
04				
05				
06				
07				
08				

Consortium - required partners

No	Expertise	Type	Country	Role in the project
01		RTD		
02		SME		
03		IND		
04				
05				
06				
07				
08				
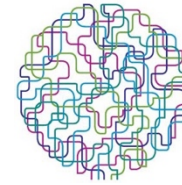
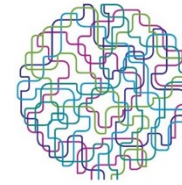# **Kostas Giokas**

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Recommendations

- The presentation **has to** last up to **4 minutes (maximum)**

- Do not overload your slides

- Provide weblinks to additional material

- Slides should be in English

- Do not use videos etc. – they might be not supported by the Infoday IT system

- Send your presentation in PDF or PPTX format to: ICT@turkeyinH2020.eu **before November 21, 2016.**