



***University of Córdoba, Spain***

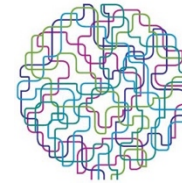
***Joaquín Olivares***

***olivares@uco.es***

**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



ICTURKEY  
ISTANBUL 2016

## University of Córdoba

- In the edition (2013) of the ISI rankings of “Spanish Universities according to Fields and Scientific Disciplines”, for the period 2008-2012, Cordoba ranked as 6<sup>th</sup> in Computer Sciences.
- Prof. Olivares leads a Marie Curie H2020 Project coordinated by Norway in the field of High Performance Computing applied to medicine:
  - Title: “Hipernav” High Performance Soft-tissue Navigation
  - Reference: H2020-MSCA-ITN-2016
  - Score 94,80/100
  - 2016-2020

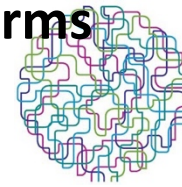
# Description of the your research interest



- At this moment, our research team is composed of 5 associate professors, 3 researchers, and 6 PhD students.
- NVIDIA GPU Education Center
- Cisco Networking Academy
- Our field of interests are:
  - Embedded Systems
  - Wireless Sensor Networks
  - High Performance Computing
  - Network Architecture for IoT
  - FOG computing

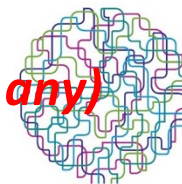
# IoT-03-2017 (RIA) R&I on IoT integration and platforms

## Reconfigurable Networks for IoT



- Objectives:
  - To develop a Reconfigurable Network Architecture where resources are and communications are used efficiently. Our proposal is based on an Adaptive Pattern Matching Model for Distributed Rule-Based Systems
  - To advance in FOG Computing.
- Expected results
  - To optimize network resources.
  - To reduce data flow and processing time in Cloud.

# Consortium - profile of known partners *(if any)*

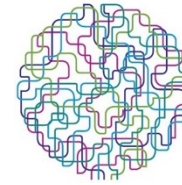


No	Partner Name	Type	Country	Role in the Project
01		RTD		
02		SME		
03		IND		
04				
05				
06				
07				
08				

# Consortium - required partners



No	Expertise	Type	Country	Role in the project
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02		SME		
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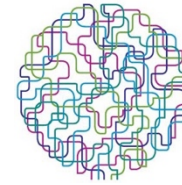
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# Recommendations



- 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](mailto:ICT@turkeyinH2020.eu)  
**before November 21, 2016.**