

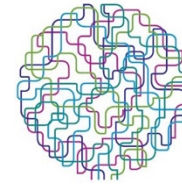


***LIP2/ISET Radés***  
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**This presentation is for**

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

# Description of the Organization



**ICTURKEY**  
ISTANBUL 2016

**ISSET Rades** : Higher institute of technological studies – Since 1995, it trains technicians from 1995 to 2003. Since 2004 it trains specialists in technological fields (IT, Civil Engineering, Mechanical Engineering, Electrical Engineering and Economics and Management).

## **LIP2 Laboratory :**

- Was created in 1999.

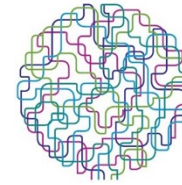
The main axes:

- ✓ **CSP Group: Conducting Production Systems,**
- ✓ **MASTER Group: Modeling and Analysis of Real Time Systems,**
- ✓ **MACSy Group: Modeling, Analysis and Conduct of Competitive Systems.**
- Count now over than 45 members, including 26 permanent teacher-researchers.

# Description of the your research interest



- **Codesign in reconfigurable embedded systems.**
  - **Codesign flow**
  - **Performance estimation**
  - **Fault tolerant embedded systems**
  - **Internet of things**



# **Co-Design Framework of Reconfigurable, fault tolerant and Personalized Smart Systems for IOT**

## **Objectives :**

- Create a framework that integrate LIP2 Co-Design flow, which includes tools and approaches that enable the verification compliance with constraints in a high level of the co-design flow.
- Design smart systems that can be fault tolerant, reconfigurable, easy to assemble and taking into account the reuse of these systems.

## **Expected results**

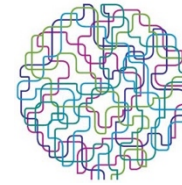
- Frameworks that permit a fast generation of reconfigurable and personalized smart embedded systems that integrate a higher degree of fault-tolerant and dynamic reconfiguration.
- Guarantee the inter-operability and the security of exchanges data of these smart exchanges systems.

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

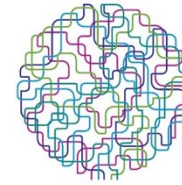


No	Partner Name	Type	Country	Role in the Project
01	LIP2	RTD	Tunisia	innovation management
02	CNI	SME	Tunisia	Gouvernance
03	ST Microelectronic	IND	Tunisia	Project building
04				
05				
06				
07				
08				

# Consortium - required partners



No	Expertise	Type	Country	Role in the project
01	FPGA expertise	RTD	E.U/Turkey	Partner
02	Codesign flow expertise	SME	E.U/Turkey	Partner
03	Simulation and production environment	IND	E.U/Turkey	Partner
04				
05				
06				
07				
08				



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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.**