Research Laboratory in Algebra, Numbers theory and Intelligent Systems

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Category: Scientific Complementary Course

**Discipline :
Mathématique-Informatique**

**Date:
06 May, 2019 at 12h**

Place: thesis Classroom

Concerned public: All PhD students and masters students

Objectives: The Internet of Things (IoT) has enabled unprecedented interactions with our physical world, with the aim to deliver a wide range of customizable services in smart cities. With recent advancements in IoT technology, users are increasingly expecting these services to be intelligent and context-aware. Nevertheless, there is still no framework capable of delivering personalized IoT services on a large scale. For such a framework to be conceived, it is likely that technologies from many domains have to be utilized.

Program:
  Seminar: Scalable and Personalized Internet of Things for Smart Cities
    ❖ This talk examines the readiness of the leading state-of-the-art technologies in several key fields for realizing the goal of a truly scalable and personalized IoT experience in the smart cities context.
    ❖ Discussion about the important requirements and challenges for realizing this goal.
    ❖ identification of the major approaches that can contribute to this goal and categorize them into: technologies for adaptive personalized sensing, scalable solutions for user-centric networking, and intelligence techniques that leverage context awareness and adaptability at the application and system levels.

  Presentation: Presentation of NSERC and Cisco Industrial Research Chairs in IoT at Carleton University.
    ❖ The presentation will include: Scalable distributed Cisco/Carleton IoT testbed; Smart Campus project; Smart Grid Ottawa pilot sites; Intelligent transportation system; Security for IoT-based e-Health systems, IoT and artificial intelligence for security and public safety.

Trainer : Dr. Mohamed Ibnkahla