



Joint Workshop
ICONIC/UNS-FTN and Maracas Group INRIA Lyon
Serbian-French Bilateral Project – Pavle Savic Program
MITRA (Massive IoT Radio Access) and
H2020 INCOMING (Innovation and Excellence in Massive Scale
Communications and Information Processing)

Thursday 17th November

- 9:30: Introduction, welcome note
- 09:40: Maracas group, short overview, J. M. Gorce
- 10:00: ICONIC group, short overview, D. Vukobratovic
- 10:20: Multi-modal data analytics for Smart Cities (H2020 MARVEL), Nikola Simic
- 10:40: Hardware-accelerated machine learning: practical aspects and implementation, Rastislav Struharik
- 11:00: Memristive synapses and neurons in Spiking Neural Networks, Natasa Samardzic
- 11:20: Wireless fingerprinting for device identification and localisation (H2020 COLLABS), Vukan Ninkovic
- 11:40: Easy Aerial (MetaSKY project), Milan Erdelj

12:00-14:00: lunch break

- **14:00 Keynote presentation: “Known limits, achievability and trends for M2M: towards massive, reliable and real-time communications”, J. M. Gorce.**
- 15:00: “An introduction to Approximate Message Passing Algorithms with Applications to Massive Random Access”, Lelio Chetot
- 15:30: “Stochastic Resource Allocation for Framed Slotted Aloha Systems,” Alix Jeannerot
- 16:00: Overview of research and development in the domain of 3GPP NB-IoT technology (H2020 C4IIoT), Milan Lukic
- 16:20: Deep rural UAV-based IoT communications (AVIoTION project), Srđan Šobot
- 16:40: Short debriefing.