## WORKSHOP ON MOBILE SYSTEM TECHNOLOGIES Architectures, technology trends and memory solutions 3<sup>rd</sup> edition

## October 27<sup>th</sup>, 2017 | 9.00 Politecnico di Milano | Aula Rogers | via Ampère 2 - Milano

Join us for the **3**<sup>rd</sup> **WORKSHOP ON MOBILE SYSTEMS TECHNOLOGIES (MST 2017)**. MST workshops bring together researchers, professionals, and industrial engineers with an interest in technologies for mobile systems. The third edition offers a comprehensive view on architecture models, technology trends, and memory solutions enabling personal and industrial mobile systems, including smartphones, tablets, smartwatches, IoT devices. The interest is on the role that memory and storage subsystems play upon system performance, energy, dependability, security, and functionalities.

## SCHEDULE

| 8.30 Registration   | 14.45 <i>Mobile User Experience and Storage Latency -</i> Luca <b>Porzio</b> , |
|---|--|
| 9.00 Welcome  | Micron Technology Inc.   |
| Donatella Sciuto, Politecnico di Milano                         | 15.10 Low Power Wide Area (LPWA) network technologies                          |
| 9.10 Workshop Introduction                                      | for the Internet of Things - Daniele Cognolato and Francesco                   |
| Marco Dallabora, Micron Technology Inc.                         | Stabile, Sierra Wireless   |
| 9.30 Keynote I  | 15.35 Coffee Break   |
| Processing Data Where It Makes Sense: Enabling In-Memory        | 15.50 Session: Security  |
| Computation - Onur Mutlu, ETH Zurich                            | 15.50 What Can Memory Tell Us about Malware? - Miroslaw Malek,                 |
| 10.20 Coffee Break  | ALaRI - Università della Svizzera Italiana                                     |
| 10.35 Session: Architecture I                                   | 16.15 Cloak & Dagger: Why Boring UI Bugs Matter - Yanick                       |
| 10.35 3D NAND NVM Memory - Tommaso Vali, Micron Technology      | Fratantonio, Eurecom - University of California Santa Barbara                  |
| Inc.  | 16.40 Physical Attacks and Beyond - Francesco Regazzoni,                       |
| 11.00 UFS 3.0 - Controller Design Considerations - Filipe Ramos | ALaRI - Università della Svizzera Italiana                                     |
| Rios, Phison Electronics Corporation                            | 17.05 Side channel attacks: reacting to a practical threat -                   |
| 11.25 Battery Modeling in Electronic Designs - Alberto Macii    | Alessandro Barenghi, Politecnico di Milano                                     |
| and Massimo Poncino, Politecnico di Torino                      | 17.30 Special Topic  |
| 11.50 ARM Technology Update - John Goodacre, ARM                | 17.30 PowerVR Series2NX: an approach to high efficiency Neural                 |
| 12.15 Lunch   | Network acceleration - Salvatore De Dominicis, Imagination                     |
| 13.30 Keynote II  | Technologies   |
| Local Computing: Battles with Parallelism - Anupam              | 17.55 Workshop Closure   |
| Chattopadhyay, Nanyang Technological University                 |  |
| 14.20 Session: Architecture II                                  |  |
| 14.20 Radio Optimisation and Measurement Procedure in LTE -     |  |
| Stefania <b>Zinno</b> , Università di Napoli Federico II        |  |

## Online registration: www.mstworkshop.eu

For more information: comunicazione@fondazione.polimi.it











