

# WPASM5



DIPARTIMENTO DI  
FISICA "GIUSEPPE OCCHIALINI"



5<sup>th</sup> Workshop on the Physics and Applications of Superconducting Microresonators

**Wednesday, 22 June 2016 - Friday, 24 June 2016**

**University of Milano-Bicocca**

## Scientific Programme

The WPASM5 workshop will be divided in the following sections

## **Physical effects in superconducting microresonators**

Theory and measurements of fundamental parameters of superconductors and superconducting microresonators.

## **Materials and Fabrication**

High resistivity materials, novel materials, fabrication techniques.

## **MKIDs for optical, infrared, and millimeter wave telescopes**

Telescope arrays for present and next generation astronomy: mm and sub-mm imaging and spectroscopy, near-infrared to optical spectrophotometry.

## **MKIDs for other applications**

Superconducting microresonator for X-rays spectroscopy, neutrino physics, and rare events searches. Applications in quantum computing and homeland security.

## **Electronics and multiplexed readout**

Analog and digital electronics for microresonators multiplexing readout. Microresonators for Microwave SQUID multiplexing. Non-linear devices and parametric amplifiers.