

SPRING WORKSHOP

Master Degree in Physics - A.Y. 2024-2025
Materials Physics and Nanoscience (MANO)



Dept. Physics and Astronomy
Room 4, Level -1
Viale Berti Pichat 6/2
Bologna



Prof. Dr. Stefan Weber
Universität Stuttgart
Germany



Prof. Dr. Michael Graf
Boston College
United States

MONDAY, MAY 12

9 AM - 11 AM

Lecture - Prof. Weber

What is a good solar cell material?
Strategies for next generation photovoltaics

11 AM - 1 PM

Lecture - Prof. Graf

Quantum Spin Liquids Probed by Muons I:
Basic Concepts

2:30 PM - 6 PM

Students' Session

TUESDAY, MAY 13

9 AM - 10 AM

Lecture - Prof. Graf

Quantum Spin Liquids Probed by Muons II:
Experimental Results

10 AM - 11 AM

Lecture - Prof. Weber

Advanced scanning probe methods to investigate
nanoscale structure-function relationships

11 AM - 12 AM

Seminar - Prof. Graf

Tuning Interactions in Honeycomb Lattice Materials

12 AM - 1 PM

Seminar - Prof. Weber

The nanoscale Photovoltaics Lab on a Tip

2:30 PM - 6 PM

**Students' session &
Best Presentation Award**



Lunch break: 1 PM - 2:30 PM



Prof. Daniela Cavalcoli (daniela.cavalcoli@unibo.it), Tutor: liagiulia.damico2@unibo.it