

Ph.D. Course in Materials Science and Nanotechnology

University of Milano-Bicocca, Department of Materials Science, via Cozzi 55,
20125 Milano (Italy), seminar room, first floor.

Prof. Annabella Selloni,

Princeton University (NJ, USA)

Materials & Processes in Photocatalysis: a theoretical perspective

03.09.2014; 3-5 pm

TiO₂ and other semiconducting oxides: bulk vs surface properties (ground state properties and photoexcitation, excess carriers, doping & defects)

05.09.2014; 3-5 pm

Surface structure and reactivity (energies, reconstructions, crystal shape, polar surfaces & compensation mechanism, influence of environment on structure)

09.09.2014; 3-5 pm

Photocatalytic reactions: Water Splitting; CO₂ reduction

11.09.2014; 3-5 pm

Mixed topics: dye sensitized solar cells; polar materials and electric fields

PhD students and all interested in the seminars are kindly invited to participate.

The PhD Coordinator
Prof. Gianpaolo Brivio