



**Prof./Dr. Silvia Bordiga**

**Indirizzo:**

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**Prof. Silvia Bordiga** Degree in Chemistry magna cum laude in 1988 at UniTO PhD in Chemical Science, in Rome 20/07/1993. Prof. in Physical Chemistry at UniTO since 2001. Member of the Scientific Committee of the NIS Centre of Excellence the period 2003-2011, in 2012 she became Director of NIS Centre of Excellence.

The Scientific activity of Silvia Bordiga in the last 10 years is mainly devoted to fundamental studies on materials with relevant interest in key technologies. Core part of her work consists in the characterization of the physical-chemical properties of nanostructured materials with large surface area (oxides, zeolites and MOFs) used as heterogeneous catalysts, photo-catalysts, materials for adsorption, separation and storage, with a multitechnique approach. The studies are mainly related with spectroscopic characterization through vibrational and electronic spectroscopies both in absorbance (IR and UV-Vis-NIR), scattering (DRIFT e Raman), and in emission (Luminescence). More than 50 experiments approved by international committees on Synchrotron testify her large experience also in EXAFS/XANES and XES spectroscopies. Starting from January 2012 she got a 3 years contract as full professor (Professor II) in the Chemistry Department at Oslo University that will allow her to expand her experiences towards the synthesis of new hybrid materials. She published more than 300 papers that received more than 13000 citations (more than 1500 in 2012), resulting in an h-index = 67 (last 5-years h-index = 21).