

# INVITATION TO A GUEST LECTURE

## NICOLA SPALDIN, SWISS FEDERAL INST. OF TECH.

Dear Colleague,

we cordially invite you to the following guest lecture in the scope of our workshop from 28<sup>th</sup> of April 2011 – 29<sup>th</sup> of April 2011. Thank you.

<b>NICOLA SPALDIN – ZÜRICH, SWITZERLAND</b> Professor, Department of Materials, Swiss Federal Institute of Technology (ETH)
<b>Presentation Title</b>
<b>“Computational Design of New Multifunctional Materials: From Magnetoelectronics to a Theory of Everything”</b> (35-40 min.)
<b>Date, Time &amp; Location</b>
<b>“Christian-Doppler-Lecture Hall”</b> (Faculty of Physics, University of Vienna – Boltzmannngasse 5/Strudlhofgasse4, 3rd Floor, A-1090 (9th District) Vienna, Austria)  <b>Thursday, 28.04.2011, 09:50 – 10:30</b>
<b>Abstract</b>
<i>Nicola Spaldin – Department of Materials, ETH Zurich</i>  <i>As many talks in this workshop show, modern computational methods are proving to be invaluable in the first-principles design of new materials with specific targeted functionalities. I will illustrate their utility with two examples from the field of multiferroics: First, the design of new materials for electric-field control of magnetism, and second, testing extensions to the Standard Model by searching for the electric dipole moment of the electron.</i>