



Institute colloquium

The Institute Colloquium: Physical principles and applications of spintronics

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Host:

In this lecture we will introduce the field of spintronics which has revolutionized magnetic storage technologies, is making its way into semiconductor microchips, and represents one of the most rapidly developing scientific fields in nanoelectronics. We will start by introducing basic physical concepts of spintronics which recognize that, apart from the electrical charge, each electron carries a microscopic magnetic moment called spin. Its utility led to discoveries of many new physical effects in magneto-electronics, some of which are now widely used in applications and others still challenging our basic understanding of relativistic quantummechanics phenomena. Current spintronics research topics pursued in our group and worldwide will be introduced in the lecture.

Monday, November 25, 2013 04:30pm - 05:30pm

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.