



THE CHINESE UNIVERSITY OF HONG KONG

Department of Physics

COLLOQUIUM

Mössbauer Spectroscopy and its Applications

by

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Date: December 07, 2007 (Friday)

Time: 4:30 - 5:30 p.m.

Place: LG23, Science Centre, CUHK

(Light refreshments will be served 20 minutes prior to the colloquium.)

ALL INTERESTED ARE WELCOME

Abstract

50 years ago, R. L. Mössbauer carried out the pioneering experiment on resonance spectroscopy of Gamma-rays which developed thereafter into the well established powerful and versatile tool, known as Mössbauer spectroscopy. The intrinsically high energy sensitivity of technique and the relatively simple instrumentation have led to a wide range of application in many different fields. This talk provides an introduction to the Mössbauer effect, to the experimental methods, and to the applications in many field. Particular emphasis is given to the applications in the fields of magnetism and magnetic materials.