



## Seminario "*Matematica e Industria*"

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### **IMI's Activities for Mathematics-for-Industry**

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#### **Abstract**

Math-for-Industry (MI) is a new research area that serves to create advanced technologies in response to industrial needs by innovating flexible and versatile methods in mathematics, statistics and computing. Prof. Kanzo Okada will share IMI's efforts and activities to advance both mathematics and technologies through their mutual interactions as well as to nurture world-class navigators for MI.

**Bio-sketch.** Prof. Okada received PhD in applied mathematics from Oregon State University, USA in 1981. Prof. Okada has corporate R&D experiences of 28 years or so in addition to a few years of overseas stint as a senior scientist at Data Storage Institute in Singapore, before joining the Institute of Mathematics for Industry, Kyushu University in 2012. His technical background is mainly in data storage technologies, including the developments of hard disk drives, optical disk drives, holographic memory and non-volatile memories. Prof. Okada is the author of over 100 patents in several areas of consumer electronics. He also developed nearly 20 main-frame computer simulation programs specifically for industry use in various fields of engineering. Prof. Okada is in charge of academia-industry partnerships for IMI and his current research interest lies in applying nonlocal continuum mechanics to Casimir Physics for nanodevice applications.

**martedì 18 marzo 2014, ore 14.00**  
**Aula Bombelli**  
**Dipartimento di Matematica**  
**Piazza di Porta San Donato 5**