Doctorate Course
Earth Science and Fluid Mechanics
<u>Seminar Series 2015</u>
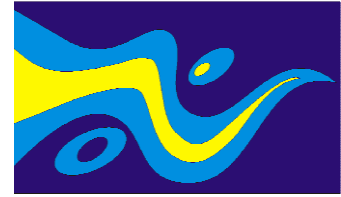
Professor Maarten V. de Hoop, Rice University,
shall deliver two lectures at the
Dipartimento di Matematica e Geoscienze
Sezione di Matematica e Informatica

Monday, December 21, 15:00, room 5B, building H2bis:
Uniqueness of seismic inverse source problems modeling microseismicity and ruptures.

Tuesday, December 22, 15:00, room 2A (Aula Morin), building H2bis:
Construction of high-frequency direct waves generated by virtual interior point sources from the Neumann-to-Dirichlet map.

All those interested are cordially invited to attend.
Giovanni Alessandrini

Bio. M. V. De Hoop holds the Simons Chair in Computational and Applied Mathematics and Earth Science at Rice University, Houston, Texas.
He earned a bachelor's degree in physics and mathematics and a master's degree in theoretical physics from Utrecht University and a doctorate in technical sciences from Delft University of Technology. He worked as a research geophysicist at Shell and as a senior research scientist at Schlumberger Cambridge Research prior to beginning his academic career at the Colorado School of Mines in 1995. He received the Society of Exploration Geophysicists' Clarence Karcher Award in 1996 and is a fellow of the Institute of Physics. He holds continuing visiting professorships in the Department of Earth, Atmospheric and Planetary Sciences at the Massachusetts Institute of Technology and at the Graduate University of the Chinese Academy of Sciences in Beijing. He is a member of the Society for Industrial and Applied Mathematics, the American Mathematical Society, the American Geophysical Union and the Society of Exploration Geophysicists.

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