

# **Jonathan M. Lees, Ph.D.**

**Professor, Department of Earth, Marine and Environmental Sciences (EMES), College of Arts and Sciences at UNC-Chapel Hill**

Raleigh-Durham, NC, US

Professor Lees is an expert in fault zones, volcano imaging, explosive volcanism and geothermal imaging.

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Professor Lees' (chair of the Department of Geological Sciences in UNC's College of Arts and Sciences) main research program is directed at geophysical characterization of active fault zones, active volcanoes and active geothermal systems. His field projects include Mt. St. Helens; Iceland (2005); Karymsky, Kamchatka; Stromboli/Etna, Ecuador (2004 and 2005), Southern California, Iceland Sifkra, Guatemala (2007), Chile and Japan. A primary focus is given to regions where the dynamics of the subsurface can be explored structurally, geologically and physically. These geologic areas have immense impact on our environment, from the perspective of geologic hazards and associated social implications and in terms of long term global change. He teaches courses including "Introduction to Seismology Inverse Theory," "Advanced Seismology," "Signal Analysis," "Active Tetonics," "Volcanoes," "Data Analysis in the Earth Sciences" and "Global Plate Tetonics."

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Geological Sciences, Seismology, Volcanology, Tomography of Fault Zones, Regional Tomographic Inversion, Volcano Imaging and Tomography, Explosive Volcanism and Seismo-Acoustics, Geothermal Fields

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American Geophysical Union : Member, Seismological Society of America : Member, Society of Exploration Geophysicists : Member

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**University of Washington**

Ph.D. Geophysics

**University of Illinois at Urbana-Champaign**

B.Sc. Mathematics

**University of Illinois at Urbana-Champaign**

B.Sc. Physics

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**Editor in Chief, Seismological Research Letters**

2010-2013

**Japan-Science and Technology Agency Fellowship**

1989

**David A. Johnston Memorial Scholarship (Geophysics)**

1987

**President, University of Washington Geophysical Society**  
**1985**

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