



THESIS: Complex Processes in the Earth: Theory, Experiment, Simulations

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THESIS is an Elite Network Bavaria Doctorate Program funded by the Bavarian State Ministry of Sciences. THESIS integrates numerous disciplines encompassing Earth's dynamic processes with emphasis on theory, experiment and simulations. Research topics include: (1) deformation processes in volcanology; (2) brittle dynamics; (3) global seismology and the structure of Earth's deep interior; (4) ground rotations and their role in earthquake source processes; (5) earthquake scenarios and risk assessment; (6) convection in the Earth's mantle and lithosphere; (7) geodetic deformation analysis; (8) geological data-assimilation; (9) methods in numerical wave propagation; (10) and high-precision GPS for deformation and Earth rotation measurements. The Graduate College unites experts and state of the art methodologies in order to offer students an exceptional work environment and the opportunity to advance their career in the field of geosciences. The network provides funding for 6 Ph.D. students. Numerous short courses and workshops are offered through the network and are open to all. For further information please visit <http://elite.geophysik.uni-muenchen.de>.