

# ABHIJIT GHOSH

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PhD student & Graduate Research Assistant

Department of Earth & Space Sciences

University of Washington

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## EDUCATION

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✦ **PhD in Geophysics, 2007-ongoing**

Department of Earth & Space Sciences

University of Washington, USA

✦ **MS in Earth & Atmospheric Sciences (Geophysics), 2007**

School of Earth & Atmospheric Sciences

Georgia Institute of Technology, USA

✦ **MS in Geology, 2004**

Department of Geology

University of Calcutta, India

✦ **BS in Geology, 2002**

Department of Geology

University of Calcutta, India

## EMPLOYMENT

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✦ Graduate Research Assistant, 2007, ESS, University of Washington

✦ Graduate Teaching Assistant, 2006-2007, EAS, Georgia Tech

✦ Graduate Research Assistant, 2005-2007, EAS, Georgia Tech

✦ Junior Research Fellow, 2005, Department of Geological Sciences, Jadavpur University, India

## RESEARCH INTEREST

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Briefly, tectonics/geodynamics using seismology as the tools; understanding the earthquake processes and non-volcanic tremor; Interested to combine geophysical and geological aspects to solve earth science problems.

## RESEARCH EXPERIENCE

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- ✎ Currently working on non-volcanic tremor in the subduction zone
- ✎ Earthquake frequency-magnitude distribution and interface locking at the subduction zone (Middle America Trench), with data from the project CRSEIZE
- ✎ Junior Research Fellow in a project for modeling of aquifer zone by resistivity survey, West Bengal, India, funded by Department of Science & Technology, Government of India, 2005
- ✎ Tectonics, structure and deformation history of the Sausar Mobile Belt, India, 2004

## PUBLICATIONS

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- ✎ Ghosh, A., A. V. Newman, A. M. Thomas, and G. T. Farmer, Interface Locking Along the Subduction Megathrust Near Nicoya Peninsula, Costa Rica, (*submitted*)
- ✎ Ghosh, A. (2007), Earthquake Frequency-Magnitude Distribution and Interface Locking at the Middle America Subduction Zone near Nicoya Peninsula, Costa Rica. *MS Thesis, School of Earth and Atmospheric Sciences, Georgia Tech, June 2007.*
- ✎ Majumdar, R. K., A. Ghosh, and D. Das (2006), Geoelectric and Geochemical Studies for Hydrological Characterization of Southern Part of Sagar Island, South 24-Parganas, West Bengal, India. *Journal of Geophysics, Vol. 27, No. 4, pp 109-118.*
- ✎ Ghosh, A. (2004), Structure and tectonics of the Sausar Group, around Ngarjuna and Khindsi, Ramtek, Maharashtra. *MS thesis, Department of Geology, University of Calcutta.*
- ✎ Ghosh, A. (2004), Seismic sections across the Himalayan fault system and its correlation with geologic cross sections. *Review article, Departmental publication, Department of Geology, University of Calcutta.*

## PRESENTATIONS

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- ✎ Ghosh, A., A. V. Newman, A. M. Thomas, and G. T. Farmer (2007), Application of Earthquake Power-law Distribution to Infer Locking at the Subduction Zone. *Georgia Tech Graduate Student Symposium, 2007.*
- ✎ Thomas, A. M., A. V. Newman, A. Ghosh and G. T. Farmer (2007), Statistical Modeling of the Middle America Subduction Zone Using Interplate Seismicity. *SSA Annual Meeting 2007.*
- ✎ Ghosh, A., A. V. Newman, A. M. Thomas, and G. T. Farmer (2006), Variability in Shallow Subduction Zone Locking Inferred From Earthquake

Activity Near Nicoya Peninsula, Costa Rica. *AGU Fall Meeting 2006*.

- ✎ Farmer, G. T., A. V. Newman, A. Ghosh, and A. M. Thomas (2006), Cross-Network Microseismic Relations of Some Aftershocks From the 1992 Nicaraguan Tsunami Earthquake. *AGU Fall Meeting 2006*.
- ✎ Ghosh, A., A. V. Newman, A. M. Thomas, and G. T. Farmer (2006), Distribution of b-value in the Middle America Trench, Near Nicoya Peninsula, Costa Rica. *Georgia Tech EAS Graduate Student Symposium, 2006*.
- ✎ Ghosh, A., R. K. Majumdar, and D. Das (2005), Geoelectric and Geochemical Studies for Hydrogeological Characterization of the Southern Part of Sagar Island, India. *Georgia Tech EAS Graduate Student Symposium, 2005*.

## **AWARDS & CERTIFICATES**

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- ✎ Best Morning Talk award for research presentation in The EAS Graduate Student Symposium 2005, EAS, Georgia Tech
- ✎ Debesh-Kamal Scholarship 2005, for study abroad, awarded by Ramakrishna Mission Institute of Culture, India
- ✎ Prof. N. N. Chatterjee Memorial Book Grant, 2003, awarded by The Geological, Mining and Metallurgical Society of India
- ✎ Certificate in Information Technology Application (2003) awarded by Department of Sports and Youth Services (YS Branch), Government of West Bengal, India

## **TRAINING SESSIONS ATTENDED**

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- ✎ **GAMIT/GLOBK:** UNAVCO short course series in June 2006 instructed by Dr. Tom Herring and Dr. Robert King, MIT
- ✎ **Strainmeter & tiltmeter data analysis:** UNAVCO short course series in June 2006 instructed by Dr. Duncan Agnew (IGPP), Dr. Evelyn Roeloffs (USGS) and Dr. Kathleen Hodgkinson (UNAVCO)

## **PROFESSIONAL AFFILIATION**

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- ✎ Student member of American Geophysical Union
- ✎ Student member of Society of Exploration Geophysicists

## **CONTACT INFORMATION**

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