

# INGRID A. JOHANSON

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## CURRENT POSITION

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2006-Present *United States Geological Survey, Menlo Park*  
*Mendenhall Post-Doctoral Fellow*

- Application of the InSAR Persistent Scatterers Method to Volcano Deformation,  
Supervisor: Chuck Wicks

## EDUCATION

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2000-2006 *University of California, Berkeley* *Berkeley, CA*  
*Ph.D. in Geophysics*

1994-1998 *University of California, Los Angeles* *Los Angeles, CA*  
*B.S. in Physics*

- Graduated Magna Cum Laude, with College Honors
- Inducted Phi Beta Kappa, 1998
- 1996 Kinsey award for juniors in physics
- 1997-98 Litton Industries Scholar

## TEACHING

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Fall 2004 & Fall 2002 *University of California, Berkeley*  
*Graduate Student Instructor*

- Department of Earth and Planetary Science 50: "Planet Earth"

Spring 2001 *University of California, Berkeley*  
*Graduate Student Instructor*

- Department of Earth and Planetary Science 121: "Seismology"

## PUBLICATIONS

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**Johanson, I. A.**, E. J. Fielding, F. Rolandone and R. Bürgmann (2006), Coseismic and Postseismic Slip of the 2004 Parkfield Earthquake from Space-Geodetic Data, *Bull. Seis. Soc. Am.*, 96, 4B, doi:10.1785/0120050818

**Johanson, I. A.** (2006). Slip characteristics of San Andreas fault transition zone segments, *Ph.D. Thesis*, University of California, Berkeley, 117 pp.

**Johanson, I. A.**, and R. Bürgmann (2005), Creep and quakes on the northern transition zone of the San Andreas fault from GPS and InSAR data, *Geophys. Res. Lett.*, 32, L14306, doi:10.1029/2005GL023150.

d'Alessio, M. A., **I. A. Johanson**, R. Bürgmann, D. A. Schmidt, and M. H. Murray (2005), Slicing up the San Francisco Bay Area: Block kinematics and fault slip rates from GPS-derived surface velocities, *J. Geophys. Res.*, 110, B06403, doi:10.1029/2004JB003496.

## PRESENTATIONS

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"Creep and Quakes: Aseismic slip at San Juan Bautista from GPS and InSAR" U.S. Geol. Survey, Earthquake Hazards Seminar, Menlo Park, CA, October 12, 2005

"Slow and steady wins the race: Aseismic slip and seismic hazard" Colorado School of Mines, Department of Geophysics, Geophysics Day Talk, Golden, CO, April 14, 2005

"Geodesy and its applications in the San Francisco Bay Area" Geophysical Services Institute, Obninsk, Russia,

May 23, 2003

CONFERENCE ABSTRACTS

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- Johanson, I.A.**, R. Bürgmann, Did the 2003 San Simeon earthquake influence the hypocenter location and rupture pattern of the 2004 Parkfield earthquake?, *SSA 2006, Abstracts of the Annual Meeting – Seismo. Res. Lett.*, **75** (2) 314, 2006.
- Johanson, I.A.**, E.J. Fielding, F. Rolandone, and R. Bürgmann, Coseismic and Postseismic Slip of the 2004 Parkfield Earthquake from GPS and InSAR data, *EOS Transactions*, AGU, **86** Abstract G44A-05, 2005.
- Johanson, I.A.**, E.J. Fielding, F. Rolandone, and R. Bürgmann, Coseismic and Postseismic Slip of the 2004 Parkfield Earthquake from Space-Based Geodetic Data, *Southern California Earthquake Center Annual Meeting*, Palm Springs, CA Sep. 11-14, 2005.
- Johanson, I.A.**, and R. Bürgmann, Creep on the San Andreas fault near San Juan Bautista and its relationship to large historic earthquakes, *EOS Transactions*, AGU, **85** Abstract G32A-06, 2004.
- Johanson, I.A.**, F. Rolandone, and R. Bürgmann, Geodetic observations of the 2004 Parkfield earthquake and associated slip on the creeping section of the San Andreas fault, from GPS and InSAR, *EOS Transactions*, AGU, **85** Abstract S51C-0170G, 2004.
- Rolandone, F., **I.A. Johanson**, and R. Bürgmann, Variation in aseismic slip and fault normal strain along the creeping section of the San Andreas fault from GPS, InSAR and trilateration data, *EOS Transactions*, AGU, **85** Abstract G32A-05, 2004.
- Rolandone, F., **I.A. Johanson**, and R. Bürgmann, Geodetic observations of the M6.5 San Simeon earthquake with focus on the response of the creeping segment of the San Andreas Fault, *SSA 2004, Abstracts of the Annual Meeting – Seismo. Res. Lett.*, SSA, **75** (2) 295, 2004.
- Johanson, I.A.**, and R. Bürgmann, Connecting aseismic slip and microseismicity on the Central San Andreas Fault, *EOS Transactions*, AGU, **84** Abstract G21B-0274, 2003.
- D'Alessio, M.A., D.A. Schmidt, **I.A. Johanson**, and R. Bürgmann, Estimates of slip rates on Bay Area faults from space geodetic data, *EOS Transactions*, AGU, **84** Abstract T12E-02, 2003.
- Johanson, I.A.**, and R. Bürgmann, An investigation of slow earthquakes on the San Andreas Fault using InSAR, *EOS Transactions*, AGU, **83** Abstract G61A-0966, 2002
- Johanson, I.A.**, and R. Bürgmann, Using point measurements from InSAR to detect transient deformation, *EOS Transactions*, AGU, **82** Abstract G31A-0127, 2001.