

# CURRICULUM VITAE

**THOMAS KEVIN KELTY**

**DEPARTMENT OF GEOLOGICAL SCIENCES AND SCIENCE EDUCATION**

## EDUCATION

University of California, Los Angeles, Earth Sciences, Ph.D. Geology, 1998.

University of Southern California, Los Angeles, M.S., Geology, 1985.

San Jose State University, California. B.S., Geology, 1982;

Minors: Mathematics and Geography.

## APPOINTMENTS

ASSISTANT PROFESSOR, CALIFORNIA STATE UNIVERSITY, FALL 2003-PRESENT.

Lecturer, CSU, Long Beach, Fall 1999 to Spring 2003.

Associate, Irvine, TRC, Fall 2001-Summer 2003 [environmental consultant].

Lecturer, Long Beach City College, Fall 2000- Summer 2001.

Visiting Assistant Professor, UCLA, Summer 2000, Summer Field Geology.

Postdoctoral Associate, UCLA, 1999-2000, part time.

Engineering Geologist and Hydrogeologist, Los Angeles, 1997-2001, part time.

## FIVE MOST RELEVANT PUBLICATIONS

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**Kelty, T.**, Yin, A., Dash, B., Gehrels, G. and Ribeiro, A., 2006, Detrital-Zircon geochronology of Paleozoic sedimentary rocks in the Hangay-Hentey basin, north-central Mongolia: Implications for the tectonic evolution of the Mongol-Okhotsk Ocean in central Asia., Geological Society of America, Special Paper, *in* R. Sorkhabi, Out of Tethys, (in review).

Day, P., Behl, R. **Kelty, T.** Ribeiro, A, 2006, Petrology of bedded chert along the Hustain Fault, Hangay Mountains, Outer Mongolia, Second International Workshop and Field Excursions, IGCP Project 480, Mongolia, Annual Meeting (*graduate student, poster*).

Ribeiro, A., **Kelty, T.**, and Gehrels, G., 2005, Geological Transect Through the Hangay-Hentey Basin, Mongolia, Geological Society of America, Annual Meeting, Salt Lake City, Utah (*graduate student, abstract*).

Anderson, K., **Kelty, T.**, Ryland, T., Brenner, J. and Perry, B., G., 2005, Student Peer Instruction of General Geology Laboratories: Success for Visual Learners, Geological Society of America, Annual Meeting, Salt Lake City, Utah (*graduate student, poster*).

**Kelty, T.K.**, Yin, A., and Dubey, C.S., 2004, Structure and crustal shortening of the Subhimalayan fold and thrust belt, western Arunachal Pradesh, NE India, 2004, Geological Society of America, Annual Meeting, Denver, Colorado [abstract].

## SYNERGISTIC ACTIVITIES

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### Collaborative and outreach-based teaching:

- Odyssey Series at CSULB, The John Hopkins University, Center for Talented Youth, Presentation: *A Career as a Geologist*, March 2006.

- Educational Information Services/Talent Search Program and CSULB Outreach Program: Spoke to middle school students about educational requirements and careers in the field geology.
- Young Scientist Camp, 2004 (CSULB): Guest lecturer on use of microscope in the study of geology.
- Geology lectures in elementary schools, Long Beach Unified and Torrance School Districts: Taught K-5 students inquiry-based learning units on minerals and dinosaurs.
- Freshman Experience Program: Geological Sciences' faculty mentor at CSULB for freshman; program goal to retain science majors.

#### **COLLABORATORS AND OTHER AFFILIATIONS**

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- Asian Tectonic Studies, India and Mongolia, in collaboration with Dr. A. Yin (University of California, Los Angeles), Dr. B. Dash (Mongolian Technical University), and Dr. C.S. Dubey (Delhi University).
- Science Education and Geological Science Misconceptions with Dr. Martin-Hansen (Georgia State University) and Dr. Henriques (CSULB).

#### **Thesis Advisees (7 in last three years, 3 chaired):**

- John Schwiebert, Angela Ribeiro, Paul Day, Eva Burchard, Denitsa Toneva, Karin Anderson (Geol. Sciences)
- Amy Edmundson (Science Education)