

# SUMANT JHA

GRADUATE RESEARCH ASSISTANT AND DOCTORAL STUDENT

Nevada Bureau of Mines and Geology/178,

University of Nevada, Reno

Reno, Nevada 89557-0178, USA

Phone: +1 775 343 6530

Room: 317

Email: [jhas@unr.nevada.edu](mailto:jhas@unr.nevada.edu)

Indian national, Date of Birth: 02/02/1980.

## WORK EXPERIENCE

January 2007-present

PhD student, Geological Sciences, Nevada Geodetic Laboratories, University of Nevada, Reno.

Research work: Estimation of block motion in southern Walker Lane.

Assistant work: (1) Creating / Modifying Mat Lab codes for modeling the geodetic motions, and determination of slip rates and plate motions, (2) Assisting in identification of P- and S-Waves, from the seismic signals obtained from US Array network.

March 2004 – December 2006

Geologist/ Senior GIS Engineer, RMSI Private Limited, NOIDA, INDIA

Catastrophes modeling for European countries like Belgium, Italy, Germany, Mexico, Switzerland, Austria, Malta, France, New Zealand, China, Romania etc.

## RESEARCH INTERESTS

- \* Earthquakes and probable prediction based on the strain accumulation and slip rates
- \* Creating scientific programs to interpret and solve for geologic problems.

## POSTERS In AGU'08

1. S Jha, W C Hammond, C Kreemer, G Blewitt; Constraints from GPS on Block Kinematics of the Transition between the Southern Walker Lane and the Basin and Range Province
2. I M Tibuleac, G Biasi, S Jha, L Preston, J Louie; Detailed Regional Resource Mapping in Nevada Using Natural and Mining Seismic Sources
3. G Oppliger, L Huebner, T Van Gundy, J Dackman, N Mankhemthong, M Dhar, F Sumant, M Thompson, M Weller, J Shoffner; An Experimental High Spatial Resolution Gravimetric Local Quasi-geoid Model for the Lake Tahoe Region, California-Nevada, USA - the Influence of Model Resolution, Topography, Bathymetry, Gravity, and Geologic Structure

## EDUCATION

2007- till now: PhD student in the Nevada Geodetic Laboratories, University of Nevada, Reno, USA

2001-2003: Master's Degree – Applied Geology - from Department of Earth Sciences, Indian Institute of Technology, Roorkee, India.

1998-2001: Bachelor's degree – Geology (H) - from Department of Geology, University of Delhi, Delhi, India.

## COMPUTER EXPERTISE

\* Computer environment: Unix, Macintosh, Solaris, Windows

\* Programming experience in: MatLab, C++, GMT

\* Softwares: Arc View, ArcGIS, AutoDesk Map, MapInfo.

## HONORS

\* GSA Student travel awarded by University of Nevada, Reno - to attend AGU'08, UNR (2008)

\* RMSI “Grace Under Pressure” Award for consistent hard work and best performance, RMSI (2005)

\* “Golden Peacock National Training Award” and “Golden Peacock National Quality Award” (Internship Completion Certificate) from Institute of Management Development, Oil and Natural Gas Commission (ONGC), Dehradun, India (2002).