

Subject: Two doctoral research opportunities in data analytics, social media, and human dynamics modeling at San Diego State University

Dr. Atsushi Nara and Dr. Ming-Hsiang Tsou are seeking two motivated students to pursue doctoral degrees in Geographic Information Science in the Department of Geography at the San Diego State University. The successful applicants will work on the projects hosted by the new Center for Human Dynamics in the Mobile Age (HDMA) <http://humandynamics.sdsu.edu/> related to data analytics, social media, and human dynamics modeling starting in Fall 2015.

The preferred candidates should have strong interests in Geographic Information Science, data analytics, machine learning, agent-based modeling, and scientific visualization applied to human dynamics in the contexts of urban geography, social behavior, social media, disaster mitigation, public health, and/or epidemiology. Strong quantitative skills (e.g., computer modeling, statistics), programming experiences (e.g., C++, Java, .Net, or python), excellent written and verbal communication skills, and ability to work in an interdisciplinary team environment are desirable.

The salary and benefits include:

- A teaching associate position with a salary of about \$17,000/year
- Full medical, dental, vision and life insurance for family
- Possibility of summer and winter break salary of close to \$10,000/year
- Fully paid tuition which can range from \$4,000 - \$13,000/year
- Possibility of travel awards ranging from \$500/year to \$1,000/year

The ideal starting date will be the 2015 fall semester. A complete application for the graduate program in the Department of Geography is due in **December 15, 2014**. More information about the Department of Geography, the PhD program, and application instructions are available at <http://geography.sdsu.edu/Programs/phd.html>.

Please send inquiries including a letter of interest, a curriculum vitae, transcripts, GRE scores, TOEFL scores for students whose native language is not English, and contact information for 3 references to Dr. Atsushi Nara (anara@mail.sdsu.edu) or Dr. Ming-Hsiang Tsou (mtsou@mail.sdsu.edu). Scanned copies or photocopies of transcripts and GRE/TOEFL scores are acceptable initially. Please contact Dr. Nara or Dr. Tsou directly with any inquiries about the two positions.

Dr. Atsushi Nara

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