

Subject: Call for Applications: Two fully funded PhD student positions in GIScience focusing on big data analytics applied to health and medical geography research at the HDMA Center, SDSU.

The Center for Human Dynamics in the Mobile Age (HDMA) at San Diego State University (SDSU) is recruiting TWO motivated Ph.D. students to join our research center in Fall 2019. The selected students will be fully funded (monthly salary and full benefits plus fee/tuition waivers for 4 years). The students will apply geospatial thinking to work on multiple research projects to address public health issues such as health disparities, cancer control, environmental exposure, built-environment, and health care accessibility. Two key ongoing projects are: 1) Public Health and Cancer Control projects collaborating with UC-San Diego Moores Cancer Center and City of Hope; and 2) a recently funded NIH-NIMHD project, “SDSU HealthLink Center for Transdisciplinary Health Disparities Research.”

The ideal candidates will have strong interests in Geographic Information Science, big data analytics, spatiotemporal data management, geocomputation, and health/medical geography. Strong quantitative skills (e.g., computer modeling, statistics), programming (e.g., Python, JavaScript, Java, R) and database experiences, excellent written and verbal communication skills, and ability to work in an interdisciplinary team environment are desirable. The students are also expected to work with a multidisciplinary research team at HDMA (<http://humandynamics.sdsu.edu/>).

The PhD students will be entering a distinctive Joint Doctoral Program (JDP) between San Diego State University and University of California, Santa Barbara. Bringing together two outstanding institutions, our JDP program offers many advantages and provides the essential education, technical training and creative experience necessary for professional activity including college-level teaching. For more information about the department and JDP, please visit the following websites.

<https://geography.sdsu.edu/index.php> (Department)

<https://geography.sdsu.edu/Study/Doctoral/doctoral.html> (JDP)

To apply, please check https://geography.sdsu.edu/Study/Doctoral/d_apply.html for application procedures. The University online application deadline is **December 15, 2018**.

For more information about this position, please contact Dr. Ming-Hsiang Tsou (mtsou@sdsu.edu) and Dr. Atsushi Nara (anara@sdsu.edu). Please include a copy of your CV, unofficial academic transcripts, GRE scores, TOEFL Scores (for international students only), and a brief personal statement that highlights skills relevant to the position.