



University of California, Davis
Department of Computer Science and Department of Physics
Faculty position in Network Theory

The University of California, Davis invites applications for a faculty position in network theory, which is an interdisciplinary academic field using graph theory, statistical mechanics, and applied mathematics to elucidate the mathematical foundations underlying the organization and function of networks across a wide range of applied disciplines. The appointment will be at the Assistant or Associate Professor level, with opportunity for a more senior level appointment for an exceptional candidate, with an intended start date of Fall 2018. The appointment will reside in the Department of Computer Science or the Department of Physics, with the ideal candidate qualified to hold a joint appointment based in both departments.

UC Davis is home to a thriving Network Science community that spans all of the university's colleges and units. We seek a scholar who is developing mathematical principles of networks and is eager to integrate across theory traditions in the mathematical, physical, biological, and social sciences, and partner with our broad existing base of network practitioners to solve crucial societal problems. There is also a vibrant Complexity Sciences Center and Graduate Group in Applied Mathematics that complement the network sciences activities. This effort is a part of a 3-year initiative to hire 10+ new faculty across multiple departments who focus on advanced computational theory and methods, including clusters of hires in computational neuroscience, network science, and data science (see <http://comphip2017.ucdavis.edu/>).

Applicants should have received (or are about to receive) a doctoral degree in Computer Science, Physics, Applied Mathematics or a related field. Expertise in the statistical physics of networks, graph theory, and/or algorithms for networks with applications to social, ecological, biological or technological networks is desired. Candidates must have demonstrated excellence in research and a commitment to quality teaching. Candidates at the Associate (or above) level should have a strong record of publications and research funding, international recognition, proven leadership skills in collaborative research efforts, and an excellent teaching record at the undergraduate and graduate level. Successful applicants will be expected to establish a top-quality research program and to teach both graduate and undergraduate courses. The departments are interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for disadvantaged students.

Submit your application at <https://recruit.ucdavis.edu/apply/JPF01929>. **Application materials** consist of: (1) Cover letter; (2) Curriculum Vita; (3) Statement of Research; (4) Statement of teaching (including a list of particular classes of interest in CS and/or Physics); (5) List of names of 3-4 references if Assistant, or 4-5 references if Associate (or higher), level is requested; (6) 3-4 sample publications (with 4 required for Associate level and above); (7) Statement of Contributions to Diversity (http://academicaffairs.ucdavis.edu/diversity/equity_inclusion/index.html)

For more information contact Professor Raissa D'Souza, raissa@cse.ucdavis.edu

**To ensure full consideration, applications must be submitted by December 15th, 2017.
We will begin requesting formal letters of recommendation at that time.
The position will remain open until filled.**