THREE POSTDOCTORAL FELLOW POSITIONS
NSF CENTER FOR RESEARCH ON COMPLEX NETWORKS
TEXAS SOUTHERN UNIVERSITY, HOUSTON, USA

NSF Center for Research on Complex Networks (CRCN) at Texas Southern University is seeking to fill one Postdoctoral Fellow position every year from 2011 to 2016 in three areas of (1) Energy Efficiency Wireless Sensor Networks (EEWSN), Urban Transportation Environment Networks (UTEN), and Distributed Computational Networks (DCN), respectively.

Texas Southern University was founded in 1927 and is now a comprehensive university, offering undergraduate and graduate programs and professional studies. TSU is a four year special purpose institution of higher education dedicated to providing quality instruction, scholarly research, and socially responsible public service. Currently, it has more than 9,500 students and 1,500 faculty and staff in 11 colleges and schools.

Responsibility and Qualification:

- The Postdoctoral Fellow in EEWSN will (1) develop energy efficient schemes by integrating secured data aggregation and dynamic power management, investigate efficient multiple adaptation algorithms, explore dynamic control and optimization strategies; (2) publish research papers, prepare research patents, and submit research proposals; (3) Assist with training graduate students and managing the research team, provide assistance in lab equipment and perform other duties as required. A Doctorate Degree in Computer Science, Computer Engineering, Electrical Engineering, Operations Research or a closely related field is needed.

- The Postdoctoral Fellow in UTEN will (1) Conduct research, publish papers, and pursue scholarly activities; (2) Assist with training graduate and undergraduate students; (3) Lead the collection of field data using the portable emission measurement system and GPS; and (4) maintain lab equipment and perform other job related duties as assigned. A Ph.D. Degree in Transportation Engineering, Transportation Planning and Management, Transportation Environment or a closely related field is needed.

- The Postdoctoral Fellow in DCN will (1) engage in the development of distributed computer algorithms in a grid environment on complex networks with uneven resource allocation, (2) implement new methodologies into the large scale simulation codes such as the Linear Scaling Quantum Chemistry computer code FreeON and traffic emission modeling codes, (3) prepare manuscripts for publication in peer-reviewed journals and presentations for scientific conferences, and (4) supervise graduate and undergraduate students who are involved in the research in the Center and perform other job-related duties as may be required. A Doctorate Degree in Physics/Computer Science, with main emphasis on computational physics and algorithmic development is needed.

Application: Access https://jobs.tsu.edu/ for application information. Application should include letter of application, detailed curriculum vita, three letters of recommendation, copies of three published articles, a statement of research interests, and names and contact information of three professional references. Review of the applications will begin immediately. Please be noticed

- Any questions regarding the application process should be directed to Ms. Marie A, Henry, HR Employment Specialist, at Henry_Mai@tsu.edu or 713-313-7225.
- Any questions regarding the Postdoctoral Fellow Position in EEWSN position should be directed to Dr. Wei Wayne Li, Director of the CRCN, at Liw@tsu.edu or 713-313-1871.
- Any questions regarding the Postdoctoral Fellow Position in UTEN position should be directed to Dr. Lei Yu, Co-Director of the CRCN, at Yu_Lx@tsu.edu or 713-313-7007.
- Any questions regarding the Postdoctoral Fellow Position in DCN position should be directed to Dr. Christopher Tymczak, Co-Director of the CRCN, at Tymczakj@tsu.edu or 713-313-1849.