

Statistical Engineering Division
National Institute of Standards and Technology

Position Title. Mathematical Statistician.

Position Location. Gaithersburg, Maryland 20899.

Subject Areas. Statistics, Probability, Stochastic Processes, Statistical Metrology, Statistical Learning, Statistical Computing

Position Description. The Information Technology Laboratory of the National Institute of Standards and Technology (NIST) anticipates filling at least one position within its Statistical Engineering Division (SED) during the 2008 Fiscal Year.

SED statisticians provide statistical expertise and leadership in multidisciplinary collaborations with physical scientists, engineers, and computer scientists in areas that are relevant to measurement science and standards.

Candidates should possess knowledge of statistics and probability comparable to what is typically acquired in graduate study of these fields. In addition, they should have: (i) the desire and demonstrated ability to engage in collaborations with scientists that involve creative applications of statistics and probability; (ii) outstanding skills in oral and written communication, including the ability to explain technical concepts and methods to non-statisticians; (iii) interest and experience in modern statistical computing, including computation-intensive methods.

Expertise in the following areas is particularly desirable: stochastic modeling of spatio-temporal phenomena, including time series; graphical models; estimation of very high dimensional quantities; regularization methods for image restoration and reconstruction; statistical methods for genomics and proteomics; statistical computing; Bayesian inference; experimental design for physical and virtual experimentation.

Salary & Citizenship. Appointments at both the junior and senior levels will be considered, with salary ranging from \$55,706 to \$149,000 per year, depending on qualifications and experience. US citizenship is required.

Employer. NIST is a Federal science and engineering research laboratory with headquarters in suburban Washington, DC. SED comprises 19 full-time professional staff, many holding Ph.D. degrees, along with several faculty and guest researchers, both in NIST's Gaithersburg, MD, and Boulder, CO, campuses.

Application: Applicants should submit a curriculum vita, a statement of research goals, and the names of three references, to Dr. Antonio Possolo at antonio.possolo@nist.gov. For further information refer to the following. NIST: <http://www.nist.gov/>. SED: <http://www.itl.nist.gov/div898/>. Employee benefits: <http://www.nist.gov/hrmd/index.htm>. NIST is an Equal Employment Opportunity employer.