2006–07 IBM Herman Goldstine Memorial Postdoctoral Fellowship in Mathematical Sciences

The Mathematical Sciences Department of the IBM Thomas J. Watson Research Center invites applications for its 2006-07 Herman Goldstine Memorial Postdoctoral Fellowship for research in mathematical and computer sciences. The fellowship provides scientists of outstanding ability an opportunity to advance their scholarship as resident department members at the Research Center. The Research Center is located in Westchester County, less than an hour north of New York City.

The Mathematical Sciences Department provides an atmosphere in which basic research is combined with work on technical problems arising in industry. Currently, about 100 permanent members, academic visitors, and post-doctoral fellows are pursuing research in pure and applied mathematics and in theoretical and exploratory computer science. Areas of research include: *algorithms* (approximation, randomized, and on-line); *coding theory*; *cryptography*; *data mining* (machine learning, pattern recognition, and computational statistics); *dynamical systems and differential equations*; *high-performance computation* (including scientific computing and parallel computing); *numerical analysis*; *optimization* (discrete, continuous, and stochastic); *probability theory* (stochastic models, risk management, queues and queueing networks); *statistics* (time-series, multivariate analysis, design, and reliability); and *supply-chain and operations management* (pricing, optimization and performance modeling).

Close interaction with permanent department members is expected, but fellows are free to pursue their own research interests.

Usually, one fellowship is awarded each year. Candidates must have a Ph.D. degree after September 2001 or should expect to receive one before the fellowship commences in the second half of 2006. The fellowship has a period of one year, and may be extended another year by mutual agreement. The stipend is expected to be between $95,000 and $115,000, depending on the area and length of experience. An additional allowance for moving expenses will be provided.

Applications will be accepted between **October 1, 2005** and **December 31, 2005**. For complete and updated details, including the application procedure, please visit the following web-site:

http://www.research.ibm.com/math/goldstine.html

IBM is committed to work-place diversity, and is proud to be an equal-opportunity employer.