

## Research Assistant Position

PhD: Illinois Institute of Technology, Chicago, IL, USA

Two Positions are available for exceptionally talented PhD students as Research Assistants in Cybernetic Systems and Controls Lab (CSCL) in the Department of Mechanical, Materials and Aerospace Engineering at IIT. The area of research is modern control theory, with an emphasis on computational methods.

Candidates must show excellent analytic and mathematical skills, with a background in controls.

Projects include but are not limited to:

- 1) Using computation to improve models of Chronic Myelogenous Leukemia
- 2) Decentralized control laws for large-scale communication and power networks
- 3) Computational theory of parallel computing as applied to problems in control
- 4) Computational analysis and control of partial-differential systems
- 5) The theory of Sum-of-Squares programming

Particularly relevant skills can include Biological Systems, Parallel Computing, Networked Systems, Mathematical Analysis, Computational Theory, and all areas of Control. Candidates should have an undergraduate degree in Engineering, Mathematics, or a related discipline.

IIT is a private, Ph.D.-granting university in Chicago, IL with highly ranked programs in engineering, science, psychology, architecture, business, design, technology, and law. One of the 16 institutions that comprise the Association of Independent Technological Universities (AITO), IIT offers exceptional preparation for professions that require technological sophistication. Through a committed faculty and close personal attention, IIT provides a challenging academic program focused by the rigor of real world.

Applicants should contact Professor Matthew M. Peet ([mpeet@iit.edu](mailto:mpeet@iit.edu)) for more information. Online applications for the graduate program can be found at [http://www.iit.edu/graduate\\_admission/](http://www.iit.edu/graduate_admission/).