

## Ph.D. Assistantship Positions Available for Fall 2018:

New Ph.D. Research Assistantships (2~3 positions) and Visiting Student/Scholar Positions Available:

The Computational Automated Learning Laboratory (CALL) at the Department of Computer Science and Software Engineering at Auburn University is seeking applications for various positions, including (Auburn funded) Ph.D. students and (self-supported) visiting students/scholars. Our laboratory is currently working on cutting-edge research on the fundamental advancement of computational intelligence and its applications to a wide range of domains, such as machine learning, deep reinforcement learning, and big data. Specifically, there are

- Reinforcement Learning (algorithm, analysis, and theory)
- Deep Reinforcement Learning
- Large-Scale Optimization (stochastic optimization, distributed optimization, non-convex optimization, etc.)
- Computational Sustainability (smart grid, energy management, etc.)

### For Ph.D. positions:

1. A Master degree in CS/EE/CE, or related departments is preferred. Outstanding undergraduate students will also be considered;
2. Strong mathematical background and proficient in modeling and simulation in a programming environment, preferably Python, Java;
3. Previous research experiences with computational intelligence, pattern recognition, adaptive control, machine learning, and data mining are preferred;

Interested students are encouraged to contact the Director for the CALL laboratory Prof. Bo Liu at

[boliu@auburn.edu](mailto:boliu@auburn.edu)

[boliu.umass@gmail.com](mailto:boliu.umass@gmail.com) (preferred)

with your CV and transcript. Please also visit:

<http://www.eng.auburn.edu/~bzl0056/>

Please note that although the application deadline is 02/15, **the limited RA positions are considered on a rolling basis**. You are strongly recommended to apply early!

### About the CALL lab:

Our laboratory is currently working on cutting-edge research on computational intelligence, machine learning and data mining, smart grid, and its applications to a wide range of domains, such as renewable energy systems, robotics, big data, etc.

### About the Auburn University:

The Auburn University (<http://www.auburn.edu/>) is a leading flagship research university located in Greater Atlanta area, being 1.5 hours from Atlanta downtown. We have a very strong Computer Science program that has over 20 faculty members, and now is one of the largest departments in the College of Engineering. The Computer Science and Software Engineering (CSSE) department includes National Science Foundation CAREER Award winners, top IEEE Transactions journal editors, highly cited researchers in the world in engineering, etc.

### Requirements of GRE and TOEFL iBT (by Grad school):

The Auburn Grad school requires the iBT above 80. There are no restrictions on GRE and no restrictions by the CSSE department. For more information, please read: <https://eng.auburn.edu/csse/academics/graduate/admission-requirements.html>

### More details for Ph.D. students:

If you are interested in working with me, please observe the following requirements.

- A strong interest in machine learning
- Self-motivated
- Good writing and presentation skills
- A strong computer science background

To help me to know your background, please send me the following items by email.

- A resume
- A copy of your graduate/undergraduate transcript showing grades of at least **five** computer science & engineering courses.

Once we have a commitment to each other, I will do my best to help you

- to build a strong research capability and publication record
- to proceed with your thesis
- to prepare for your future career.