

IWBDA 2015

AUGUST 20-21 SEATTLE, WASHINGTON



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SEVENTH INTERNATIONAL WORKSHOP ON BIO-DESIGN AUTOMATION AUGUST 20-21, 2015 IN SEATTLE, WASHINGTON

The Seventh International Workshop on Bio-Design Automation (IWBDA) at the University of Washington will bring together researchers from the synthetic biology, systems biology, and design automation communities to discuss concepts, methodologies and software tools for the computational analysis and synthesis of biological systems.

The field of synthetic biology, still in its early stages, has largely been driven by experimental expertise, and much of its success can be attributed to the skill of the researchers in specific domains of biology. There has been a concerted effort to assemble repositories of standardized components; however, creating and integrating synthetic components remains an ad hoc process. Inspired by these challenges, the field has seen a proliferation of efforts to create computer-aided design tools addressing synthetic biology's specific design needs, many drawing on prior expertise from the electronic design automation community.

The IWBDA offers a forum for cross-disciplinary discussion, with the aim of seeding and fostering collaboration between the biological and the design automation research communities.

TOPICS OF INTEREST

- Engineering methods inspired by biology
- Domain specific languages for synthetic biology
- Automated assembly techniques
- Design methodologies for synthetic biology
- Standardization of biological components
- Computer-aided modeling and abstraction techniques
- Data exchange standards and models for synthetic biology

KEYNOTE SPEAKERS

Professor Eric Klavins
University of Washington

Professor Miriah Meyer
University of Utah

IWBDA INFORMATION

Website:
www.iwbdaconf.org

Contact the committee:
iwbda-exec@lists.bio-design-automation.org

ABSTRACT SUBMISSION

Abstracts for oral and poster presentations should be two pages long, following ACM SIG Proceedings format.

Detailed instructions will be posted on the website at www.iwbdaconf.org

Awards for Best Poster and Presentation will be presented at the workshop.

KEY DATES

Abstract submission deadline:
April 17, 2015

Workshop:
August 20-21, 2015

ORGANIZED BY BDAC

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