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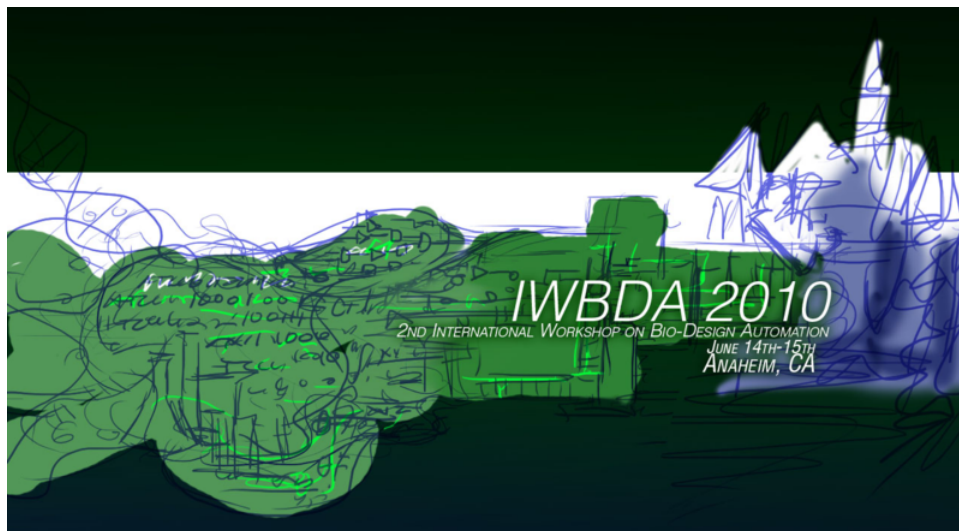
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The **International Workshop on Bio-Design Automation (IWBD)** at DAC brings together researchers from the synthetic biology, system biology, and design automation communities. The focus is on concepts, methodologies, and software tools to enable the computational analysis of biological systems and the synthesis of novel biological functions.

Still in its early stages, the field of synthetic biology has been driven by experimental expertise; much of its success has been attributable 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. The field has now reached a stage where it calls for computer-aided design tools. The electronic design automation (EDA) community has unique expertise to contribute to this endeavor. This workshop offers a forum for cross-disciplinary discussion, with the aim of seeding collaboration between the research communities.

Topics of interest include:

- Design methodologies for synthetic biology.
- Standardization of biological components.
- Automated assembly techniques.
- Computer-aided modeling and abstraction techniques.
- Engineering methods inspired by biology.

The workshop will be held at the Anaheim Convention Center on **June 14 - 15, 2010** as part of the Design Automation Conference, the premier conference in EDA with over 10,000 attendees.

Abstracts will be considered for oral and poster presentations. Information on abstract submission and workshop registration can be found on the workshop webpage: <http://www.biodesignautomation.org>. Please email info@biodesignautomation.org with any questions.

IWBDA Collection in PLoS ONE

Through a partnership with the Public Library of Science (PLoS), selected papers based on accepted abstracts will be published as a special collection of the interdisciplinary open access journal PLoS ONE.

Key Dates

Call for abstracts published:	March 1, 2010
Abstract submission deadline:	April 5, 2010
Abstract acceptance notification:	April 26, 2010
Workshop:	June 14 & 15, 2010

(Abstracts submitted after April 5 will still be considered, until the presentation schedule is finalized, but may not receive full consideration.)