

# Bio Inspired Design: Methods and Practice

A 1-day workshop at the 2015 Living Machines Conference

<http://csnetwork.eu/livingmachines/conf2015/workshops>

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**Time** Tuesday, July 28 breakfast-dinner

**Location:** Barcelona

Universitat Pompeu Fabra

**Cost:** Registration for workshop: **50 €**

Yen, J., M. Weissburg, M. Helms, A. Goel. 2011. Biologically Inspired Design: A tool for interdisciplinary education. **Ch. 10**, In: *Biomimetics. Nature Based Innovation*, edited by Y. Bar-Cohen, Taylor and Francis.

Yen, Jeannette, Michael Helms, Ashok Goel, Craig Tovey, and Marc Weissburg. 2013. Adaptive Evolution of Teaching Practices in Biologically Inspired Design. **Ch. 7**. In: *Biologically Inspired Design: Computational Methods and Tools*. Editors: Ashok Goel, Dan McAdams & Robert Stone. Springer.

## **Syllabus:**

Morning:

1. Overview of Nature's Design Principles.
2. Methods and Tools for Practicing BID

Afternoon:

3. Practicum: Conceptual design, design critiques and presentations.
4. Prototyping discussion.

To adapt and customize course content to your needs, please send **pre-course survey** responses to:

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- a. What is your field of expertise?
- b. What is your experience with sustainable design?
- c. Why are you interested in the bio-design approach?

*Responses after July 15, 2015 may not be included in course adaptations.*