



ISBE Online Specialist Short Courses 2020

Introduction to the theory and practice of biologically inspired design

Presented by

Marc Weissburg

Professor at Georgia tech & Vice-President of the ISBE



Prof. Marc Weissburg

*Will lead you to the
mystery world of the
Biomimetics*

Marc Weissburg is Professor of Biological Sciences at Georgia Tech, a Brook Byers Institute of Sustainable Systems Professor, and Co-Director of the Center for Biologically Inspired-Design (BID). An ecologist by training, Professor Weissburg has taught and practiced biomimicry (aka biologically-inspired design or BID) for 15 years. He has designed and assessed BID teaching methods, and worked with students, scientists, architects, and other professionals wishing to learn this practice. He has worked with major companies to develop novel, innovative and more benign technologies to solve complex human challenges ranging from better fiber products to sustainable industrial systems organization. Most recently, he has been using ecological network analysis (ENA) as a tool to understand and design human infrastructure systems.

Description of the short courses:

The short courses will introduce you to concepts and applications of biologically-inspired design (BID), aka biomimetics. It is designed for engineers and scientists with little biological background, and will give attendees a basic understanding of useful techniques and best practices. We will discuss basic techniques to frame technical problems to make it easier to find biological "solutions", systematic ways to search the biological literature effectively, and ways to evaluate the match between particular biological models and the problem being considered.

China Standard Time (CST):

18:30-20:30, 17 October 2020 (Saturday)

18:30-20:30, 18 October 2020 (Sunday)

Virtual Meeting Platform:

Tencent meeting (Chinese Version)

VOOV meeting (English Version)

LANGUAGE: English

CERTIFICATE: provided after the courses

REGISTRATION FEE: used for lecture fee

Delegate: 500 RMB; Student: 300 RMB

REGISTRATION DEADLINE: 30 Sep. 2020