



Engineered Biomimicry

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Engineered Biomimicry covers a broad range of research topics in the emerging discipline of biomimicry. Biologically inspired science and technology, using the principles of math and physics, has led to the development of products as ubiquitous as Velcro™ (modeled after the spiny hooks on plant seeds and fruits). Readers will learn to take ideas and concepts like this from nature, implement them in research, and understand and explain diverse phenomena and their related functions. From bioinspired computing and medical products to biomimetic applications like artificial muscles, MEMS, textiles and vision sensors, *Engineered Biomimicry* explores a wide range of technologies informed by living natural systems.

Engineered Biomimicry helps physicists, engineers and material scientists seek solutions in nature to the most pressing technical problems of our times, while providing a solid understanding of the important role of biophysics. Some physical applications include adhesion superhydrophobicity and self-cleaning, structural coloration, photonic devices, biomaterials and composite materials, sensor systems, robotics and locomotion, and ultra-lightweight structures.

- Explores biomimicry, a fast-growing, cross-disciplinary field in which researchers study biological activities in nature to make critical advancements in science and engineering
- Introduces bioinspiration, biomimetics, and bioreplication, and provides biological background and practical applications for each
- Cutting-edge topics include bio-inspired robotics, microflyers, surface modification and more

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Kimberly Thibault:

Playing with family in a very park, coming to see the water world or hanging out with pals is thing that usually you have done when you have spare time, then why you don't try thing that really opposite from that. One particular activity that make you not sense tired but still relaxing, trilling like on roller coaster you are ride on and with addition associated with. Even you love Engineered Biomimicry, it is possible to enjoy both. It is good combination right, you still desire to miss it? What kind of hang-out type is it? Oh seriously its mind hangout men. What? Still don't have it, oh come on its referred to as reading friends.

James Jackson:

In this period globalization it is important to someone to obtain information. The information will make someone to understand the condition of the world. The condition of the world makes the information easier to share. You can find a lot of referrals to get information example: internet, paper, book, and soon. You can see that now, a lot of publisher that print many kinds of book. The book that recommended to you is Engineered Biomimicry this publication consist a lot of the information in the condition of this world now. This kind of book was represented so why is the world has grown up. The language styles that writer use to explain it is easy to understand. The actual writer made some analysis when he makes this book. Honestly, that is why this book suitable all of you.

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