

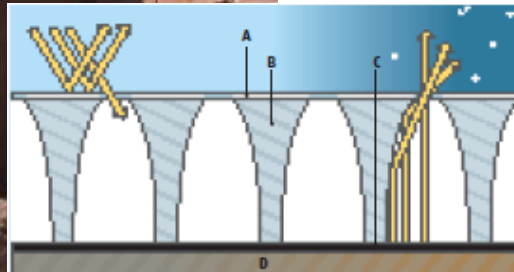


Center for Biologically-Inspired Design Seminar Announcement

Julian Vincent, Dept. ME, Univ. Bath- **New biomaterials
inspired by nature's process of problem solving**

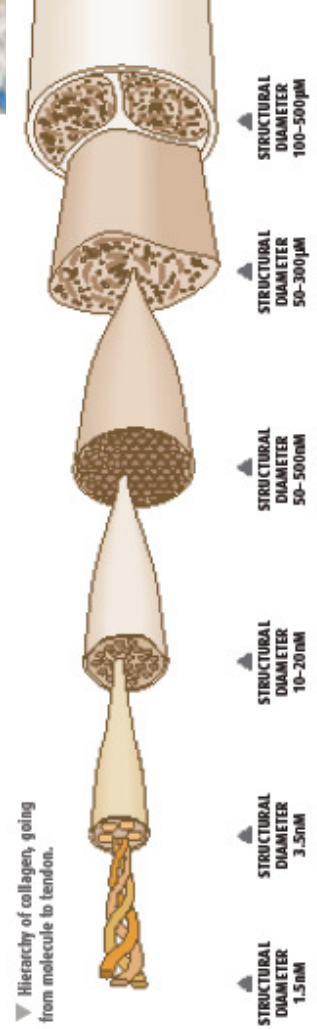
March 17; 3-4 pm in the Suddath Seminar room ([IBB 1128](#))

Abstract: Biomimetics is the abstraction from, and application of, good design from biological systems. I shall briefly describe 3 examples from my own work and that of colleagues (woodpecker hammer, wasp ovipositor drill, wood analogue), and discuss some of the fairy tales. I shall then develop ways to compare biology and technology at a more abstract level, and show how one can derive basic design rules that can be applied to objects and processes which have no obvious biological connection. The underlying arguments are derived from the Russian problem solving system TRIZ (also known as TIPS).



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Seminar offered jointly by CBID and the School of Biology, and made possible by a generous donation from **Perkins+Will**



▼ Hierarchy of collagen, going from molecule to tendon.