

CAS Associates and Fellows Noonhour Presentations

Bring your lunch for a noonhour exploration of some of the best scholarship produced at the University of Illinois.

12:00 Noon

Music Room

Levis Faculty Center, Suite 200
919 West Illinois Street, Urbana

University of Illinois at Urbana-Champaign

Free and open to the public.
cas.illinois.edu

WEDNESDAY, FEBRUARY 13, 2019

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Department of Mechanical Science and Engineering, Associate 2017-18

Bone and Bone-Inspired Materials



Bone is a multi-functional biological material, optimized by nature to perform its many functions. This presentation addresses several inter-related topics on bone. Computational models

can provide insights on the mechanical properties of bone as a structural material and serve as predictive tools to assess bone health. Bone is also a biological material which adapts to loads. Finally, bone can serve as an inspiration from nature for designs of new materials for medical and engineering applications.