

PA3 INVITES YOU TO “SECOND TUESDAYS”

A PRINCETON PROPELLER EVENT

AT QUADRANGLE CLUB



**FOR ENTREPRENEURS,
NAVIGATORS & THE CURIOUS**

Please Join Us for Cocktails & Hors d'oeuvres

33 PROSPECT AVENUE – PRINCETON, NJ

6 P, TUESDAY, January 9th, 2017

Speaker: Daniel J. Cohen, '08

**Assistant Professor, Mechanical & Aerospace Engineering
Princeton University**

“Crowd Control: Swarm Engineering for Medicine & Biotechnology”

Daniel is returning to Princeton University as a new professor in the MAE Department, having earned his BSE in Mechanical Engineering – and completed joint Bioengineering doctoral work at UC Berkeley and UCSF, and post-doctoral training in Biology at Stanford. After research spanning bio-inspired robotics, dinosaur mechanics, genetic engineering, surgical implant design and nanotechnology, his focus has now turned to tissue engineering and biomaterials design: applying concepts from swarm theory (bird flocking and sheep herding) to develop new biomedical tools and techniques. After introducing swarm theory and its application to cellular systems, his talk will feature case studies from bioelectricity, biomaterials and machine learning that demonstrate how applying “swarm engineering” may transform how we: interact with living cells, heal ourselves and understand diseases.

Registration Required via propellers.princetonaaa.org