

# Nanotechnology Seminar Series

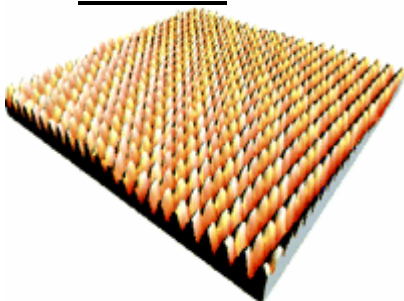
The Nanotechnology Seminar Series is intended to bring together faculty members, students, and guests for exchanging ideas and research experience in the multidisciplinary field of nanotechnology.

**Topic:** “A practical approach for enhancing the concepts of complex numbers and integral transformations”  
presented by Jared Adolf-Bryfogle, supervised by Dr. Marian Tzolov

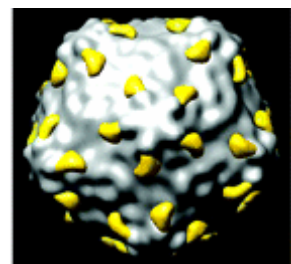
**Abstract:** A lab is presented for the illustration of the practical significance and conceptual importance of complex numbers, and integral transformations showing the interdependence of the two components of a complex quantity describing the linear response of a system, with example for an electronic system. The lab is short, simple, and relatively accessible to most undergraduate physics labs. We give examples of several cases where this can be met in practice and can further students’ understanding in more complex and abstract areas of research.

**When:** Sept 11<sup>th</sup> , 12.00-12.50 p.m. with 15 min. for presentation, and 10 min. for questions, and 20 min for general discussion.

**Place:** Ulmer Hall, room 302



**All faculty members and interested students are kindly invited.**



For questions and comments contact Dr. Marian Tzolov ([mtzolov@lhup.edu](mailto:mtzolov@lhup.edu)).