

# The Beams and Applications Seminar Series

## ***A Superconducting RF Tutorial: Part One of Three***

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**Bldg. 401, Rm. A1100  
Friday, June 1, 1:30 pm**

Host: Yong-Chul Chae, ASD

*Abstract: A brief overview of the physics of superconducting niobium high-field cavities. This is the first of three seminars reviewing the major elements required for accelerator applications of superconducting RF (SRF) technology. Topics discussed will include superconductivity in time-varying fields, thermal properties of SC cavities, high-field-limiting phenomena, and the interaction of mechanical and electromagnetic properties.*

For more information visit

[http://www.aps.anl.gov/News/Meetings/Beams\\_and\\_Applications\\_Seminars/](http://www.aps.anl.gov/News/Meetings/Beams_and_Applications_Seminars/)

Visitors from off-site please contact Jude Kitching  
(kitching@aps.anl.gov, 630-252-6159) to arrange for a gate pass.