MONTANA STATE UNIVERSITY | College of LETTERS & SCIENCE

Physics Colloquium

Friday, November 18, 2016
4:10 – 5:00 PM
Barnard/EPS 103

High Temperature Corrosion in Energy Systems

Professor Paul Gannon
MSU Department of Chemical and Biological Engineering
Montana State University - Bozeman
http://www.chbe.montana.edu/sofc/People/Gannon.html
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and
Materials Science Ph.D. Program

Abstract:

High-temperature (>500°C) corrosion is ubiquitous in energy conversion and industrial systems, e.g., engines/turbines, fuel cells and chemical processing, and can significantly limit system performance and durability. This presentation will review these challenges and interdisciplinary efforts at MSU to address them. Specifically, designing and operating meaningful laboratory-scale facsimiles of industrial applications, and using these to investigate the evolution of materials in corrosive environments will be discussed.

Host: Rufus Cone

****** Refreshments served in the EPS second floor atrium at 3:45 ******