



ACerS Online Learning Center  
CONVENIENT TRAINING FOR YOUR WORKFORCE



## **Design and Failure of Refractories: Thermomechanical Aspects**

May 7 – June 25, 2024 (Tuesdays and Thursdays from 11 a.m. – 12:15 p.m.)

Lecture 1 – 5/7/24 Elasticity

Lecture 2 – 5/9/24 Thermal Expansion

Lecture 3 – 5/14/24 Thermal Conductivity

Lecture 4 – 5/16/24 Thermal Stresses

Lecture 5 – 5/21/24 Thermal Shock

Lecture 6 – 5/23/24 Thermal Shock

Lecture 7 – 5/28/24 Alumina-Silica

Lecture 8 – 5/30/24 Alumina-Silica

Lecture 9 – 6/4/24 Basic

Lecture 10 – 6/6/24 Basic

Lecture 11 – 6/11/24 Zirconia

Lecture 12 – 6/13/24 Composite

Lecture 13 – 6/18/24 Composite

Lecture 14 – 6/20/24 Monolithic

Lecture 15 – 6/25/24 Monolithic