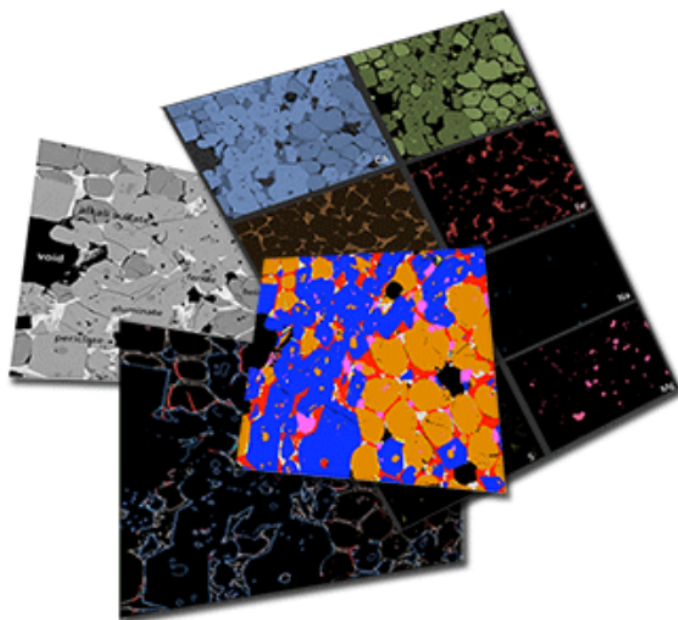


# Workshop on Cement Materials Characterization

August 10–12, 2016

National Institute of Standards and Technology  
Gaithersburg, Maryland



## Summary

This workshop will provide practical information and guidance on performing chemical and structural analysis of portland cement and portland cement clinker materials.

- Quantitative X-ray powder diffraction
- Quantitative scanning electron microscopy
- Thermogravimetric analysis
- Surface enhanced Raman spectroscopy
- Practicums with real data

## Who Should Attend

The workshop assumes a general familiarity with concrete materials, but no specialized knowledge of characterization methods is required. Engineers, research scientists, and technicians responsible for quality control or testing should find this workshop beneficial for their continuing education and professional development.

All attendees are strongly urged to bring a laptop on which analysis software and practice data can be installed. More information is available at the workshop web site:

[http://www.nist.gov/el/building\\_materials/cementitiousmaterialsworkshop.cfm](http://www.nist.gov/el/building_materials/cementitiousmaterialsworkshop.cfm)

- ▶ Attendance is free
- ▶ Online registration, lodging, and local transportation information are available at the workshop website
- ▶ Registration deadline is **July 26, 2016**

**When:** August 10–12, 2016

**Where:** NIST Gaithersburg Campus  
Building 101, Lecture Room C  
Gaithersburg, MD 20899

**Web site:** [http://www.nist.gov/el/building\\_materials/cementitiousmaterialsworkshop.cfm](http://www.nist.gov/el/building_materials/cementitiousmaterialsworkshop.cfm)

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