

Moments in Materials Presentation: **Fireworks: The Material of the Celebrations**

Speaker: Andrew Pinkard

When: Thursday, July 3rd 2014, 4:30 p.m.

Where: NWC, 7th floor meeting room, RM 703



Fireworks!

In honor of (American) Independence Day, join Andrew Pinkard as he explains the basics of pyrotechnics and firework displays from a chemical standpoint. A brief history and cataloging of pyrotechnics will be presented, with the remainder of the presentation focused specifically on fireworks and the chemistry and material science behind these beautiful, yet explosive displays. The presentation will conclude with some modern day concerns about the environmental friendliness or “greenness” of firework displays and work being done in this area. Join us so that you can bedazzle your friends and family during your Fourth of July festivities with the science behind fireworks.

Show your support for America by attending this MiMs!

Selected reference:

“Green” Pyrotechnics: A Chemists’ Challenge. Georg Steinhauser and Thomas M. Klapötke. *Angew. Chem. Int. Ed.* 2008, 47, 3330-3347. DOI: 10.1002/anie.200704510

