












THE 40TH TUCSON MINERAL SYMPOSIUM

MINERALS OF THE APATITE SUPERGROUP AND MINERAL FLUORESCENCE



10:00 AM • OPENING & INTRODUCTION

- 10:15 – 10:45 AM  **DANIEL E. HARLOV**
"Apatite and fluids: pseudomorphism, mineral inclusions, and mineral formation." (remote talk)
- 10:50 – 11:20 AM  **JOHN RAKOVAN**
"The Sauberg Mine, Type locality of fluorapatite, and the recognition of apatite as a distinct mineral species."
- 11:25 – 11:55 AM  **MADELINE MURCHLAND* AND JOHN RAKOVAN**
"Fluorescence spectroscopy of apatite."
- 12:00 – 12:30 PM  **EVAN SMITH**
"Decoding the colors and patterns of fluorescence in Diamond."
- 1:30 – 2:00 PM  **PETER MEGAW**
"The apatite supergroup minerals from Mexico."
- 2:05 – 2:35 PM  **MARKUS RASCHKE**
"The fluorescence of scheelite from Xuebaoding, Sichuan Province, China."
- 2:40 – 3:10 PM  **RAY GRANT**
"Vanadinite in Arizona."
- 3:25 – 3:55 PM  **BILL STEPHENS**
"Pyromorphite from the world-famous Phoenixville District lead mines, Chester County, Pennsylvania."
- 4:00 – 4:30 PM  **THOMAS LOOMIS**
"Apatite occurrences in the Black Hills, South Dakota."
- 4:35 – 5:05 PM  **NICOLAS HEBERT**
"Orange fluorescent minerals from Mogok: from the scapolite – feldspathoid bearing marbles to hackmanite." (remote talk)
- 5:10–5:40 PM  **GLENN WAYCHUNAS*, GEORGE ROSSMAN, AND MICHAEL GAFT**
"Electronic defects as activators of luminescence in minerals: overview and examples of novel fluorescence and tenebrescence."

*DENOTES SPEAKER

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