

THE 40TH TUCSON MINERAL SYMPOSIUM

MINERALS OF THE APATITE SUPERGROUP AND MINERAL FLUORESCENCE



DANIEL E. HARLOV

"Apatite and fluids: pseudomorphism, mineral inclusions, and mineral formation." (remote talk)



JOHN RAKOVAN

"The Sauberg Mine, Type locality of fluorapatite, and the recognition of apatite as a distinct mineral species."



MADELINE MURCHLAND* AND JOHN RAKOVAN

"Fluorescence spectroscopy of apatite."



EVAN SMITH

"Decoding the colors and patterns of fluorescence in Diamond."



PETER MEGAW

"The apatite supergroup minerals from Mexico."



MARKUS RASCHKE

"The fluorescence of scheelite from Xuebaoding, Sichuan Province, China."



RAY GRANT

"Vanadinite in Arizona."



BILL STEPHENS

"Pyromorphite from the world-famous Phoenixville District lead mines, Chester County, Pennsylvania."



THOMAS LOOMIS

"Apatite occurrences in the Black Hills, South Dakota."



NICOLAS HEBERT

"Orange fluorescent minerals from Mogok: from the scapolite – feldspathoid bearing marbles to hackmanite." (remote talk)



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**

**FEBRUARY 12, 2022 • TUCSON
CONVENTION CENTER, TUCSON, AZ**

