

# 2024 TUCSON GEM & MINERAL SHOW®

42<sup>ND</sup> ANNUAL FM – TGMS – MSA SYMPOSIUM

“PEGMATITES – CRYSTALS BIG & BEAUTIFUL!”

**West Meeting Rooms [104/105](#)**

**Saturday, February 10<sup>th</sup>**

- |                     |           |                                                                                                                                                              |
|---------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 am            | (104/105) | Opening of Symposium                                                                                                                                         |
| 10:00 am - 10:15 am | (104/105) | Introduction by Symposium Chair, Mark Jacobson                                                                                                               |
| 10:15 am - 10:45 am | (104/105) | Michael Wise<br><i>“Pegmatites: Earth's Most Amazing Rocks”</i>                                                                                              |
| 10:55 am - 11:25 am | (104/105) | Michael Menzies<br><i>“Gem Pegmatites”</i>                                                                                                                   |
| 11:35 am - 12:05 am | (104/105) | David London<br><i>“Gem-Forming Cavities in Pegmatites”</i>                                                                                                  |
| 12:30 pm - 1:30 pm  |           | Lunch                                                                                                                                                        |
| 1:30 pm - 2:00 pm   | (104/105) | Robert F. Martin<br><i>“Cleavelandite: Only Crystals Small and Beautiful”</i>                                                                                |
| 2:10 pm - 2:40 pm   | (104/105) | Roy Bassoo<br><i>“Trace Elements in Texas Topaz and Their Petrogenetic Significance”</i>                                                                     |
| 2:50 pm – 3:20 pm   | (104/105) | Peter Lyckberg<br><i>“Chamber Pegmatites of Volyn, Ukraine”</i>                                                                                              |
| 3:40 pm – 4:10 pm   | (104/105) | Calvin Mako (speaker) and Carson Richardson<br><i>“Geochronology of REE-bearing Proterozoic Pegmatites in the Arizona Pegmatite Belt”</i>                    |
| 4:20 pm – 4:50 pm   | (104/105) | Markus Raschke<br><i>“The South Platte Pegmatite District of Colorado: New Insights into Mineralogy, Petrogenesis, and Rare-earth Element Fractionation”</i> |
| 5:00 pm - 5:30 pm   | (104/105) | Symposium Closed                                                                                                                                             |

