

## PRESENTATION OVERVIEW

2019 WESTERN CHAPTER ISA  
CONFERENCE & TRADE SHOW

### *Current and Emerging Issues Affecting Mediterranean Pines in the Southwest*

Date/Time/Session: **WEDNESDAY, 5.01.2019, 3:30:00 PM, in the PESTS session**

Presentation Length: **45 minutes**

Presented by: **John Richardson**

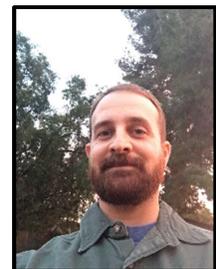
Co-Presenter: **Steve McKelvey**

#### **Overview of Presentation:**

This presentation will focus on two major issues concerning the health of Mediterranean pines planted in urban forests of the Southwestern United States; Aleppo Pine Blight and the Mediterranean Pine Engraver (*Orthotomicus erosus*). The native distribution of Aleppo pine (*Pinus halepensis*) and closely related species are discussed, the published history of the Aleppo pine blight is reviewed, and suspected causal agents are identified. A cooperative monitoring program, designed to engage local arborists and stakeholders in determining the extent and severity of the blight each year is described, and has the expectation of definitively identifying the causal agents and development of suppression treatments. The history of the initial detection of the invasive Mediterranean Pine Engraver in California, and subsequent spread to other Southwestern states will be discussed. We will describe the biology and damage to host pines in its native range, and provide an update concerning current pheromone trapping efforts in Arizona. Efforts to prevent the spread of this invasive bark beetle to other states will also be discussed.

#### **Presenter Bio:**

John Richardson is the Forest Health and Urban and Community Forestry Program Manager with the Arizona Department of Forestry and Fire Management. He is a Northern Arizona University - School of Forestry graduate, ISA Certified Arborist, and Qualified Tree Risk Assessor. John has been involved in utility/municipal forestry, tree risk assessment, invasive plant mitigation, insect and disease diagnosis, GIS mapping in Southern California and Arizona, and wildland fire suppression throughout the western US.



Steve McKelvey is the Forest Health Specialist for the Arizona Department of Forestry and Fire Management. He graduated from Northern Arizona University with a Masters degree in Forest Science. Before coming to Arizona, Steve was a Biological Science Technician with the USDA Forest Service, Pacific Southwest Research Station in California, where he conducted studies concerning the ecology and management of bark beetles.