

### ***How pests get around (and how to ensure that you are not helping them!)***

Date/Time/Session: **THURSDAY, 5.02.2019, 8:30:00 AM, in the GENERAL session**  
Presentation Length: **45 minutes**



Presented by: **Igor Lacan, PhD**  
Co-Presenter (if scheduled): **NA**

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

We will start with a quick review of the concepts underlying movement of insects and pathogens: natural spread vs. assisted movement; movement on tools/objects vs. movement in soil/woodchips vs. movement in/on live plants. To illustrate the concepts, we will cover in some detail a set of examples relevant to arborists, and with each example we will introduce an appropriate management technique (such as Phytophthora(s); Armillaria; Huanglongbing; Fusarium on Phoenix palms; Goldspotted oak borer; Emerald ash borer; Walnut twig beetle; and also “pathosystems”; PHSB/Fusarium, and Cone beetles/Pitch Canker). The focus of this presentation will be on management – which techniques have been proven to work, which ones are likely to work, and – importantly – which situations are simply not well understood at present and so the management advice is incomplete. By attending this session, the audience will improve their understanding about the issues related to pest/pathogen transport, and the management methods that should be used to prevent such transport.

#### **Presenter Bio:**

Igor Lacan is a University of California Cooperative Extension Urban Forestry Advisor for the San Francisco Bay Area, whose program of applied research and extension provides technical and policy tools to advance sustainable environmental management. Igor's research explores emerging issues in urban landscapes such as tree growth in stormwater facilities, as well as contribute to mitigating longstanding problems such as wood decay and failure in urban trees. Igor