

PRESENTATION OVERVIEW

2019 WESTERN CHAPTER ISA
CONFERENCE & TRADE SHOW

How climate change challenges urban trees and city forests, and what this means for arborists and urban foresters.



Date/Time/Session: **WEDNESDAY, 5.01.2019, 8:00:00 AM, in the URBAN FORESTRY session**

Presentation Length: **45 minutes**

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

Overview of Presentation:

We will start by reviewing the mechanisms by which increased temperatures create problems for trees and will then turn to the lessons of the 2018 study of street tree species and climate change (which found that inland cities in California are likely to lose many of their common street tree species, in contrast to the coastal cities). We will examine some of the lessons learned from the study – the need to start changing tree palettes, and how we can use cities that are warmer than ours to guide this process – and the tools that urban foresters might find helpful in preparing for the warming future. After attending the sessions, the audience (1) will have a better understanding of trees and urban situations that are most likely to suffer damage in the changing climate and the mechanisms involved (and their management options), and (2) will learn a new technique for assessing the suitability of tree species to the warming conditions.

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.