



Wood Decay in Urban Trees Seminar & Lab Series

Davis and San Marino, CA | Summer 2016

Francis Schwarze is a Swiss scientist investigating the effects of decay organisms on wood properties and mechanical strength of trees. He is author of the comprehensive book, *Diagnosis and Prognosis of Decay in Urban Trees*. He has made highly significant contributions to fundamental understanding of wood decay by fungi and has applied the knowledge for the benefit of such important wood science and technology areas as permeability enhancement of heart-woods and refractory timbers, detection of tree rings, performance evaluation of thermomechanically densified wood, enhancement of acoustic properties of violins, and biocontrol of decay fungi affecting urban tree health. Many areas of his work have been regarded as ground breaking research and have been published in international journals.



ONE DAY SEMINAR

During the one full-day seminar we will explore the colonization strategies and range of variation in wood degradation patterns that each of these decay types encompasses. We'll dive into detail on the advantages and disadvantages of biological control with *Trichoderma* species

Francis will give background and reveal secrets of making excellent violins. Participants will be able to listen to audio files of violins made from fungal treated wood and compare the sound of a non-treated violin and a 2 million dollar Stradivarius.

We'll round out our day with lectures on wood decay in our native oaks from **Dr. Ted Swiecki** and how decay could be an arborists' best friend from **Dr. Jim Downer**. **Dr. Igor Lacan** will be updating us on the Wood Decay Diagnostic Research Project. **The seminar is limited to 125 attendees per location.**

TWO DAY LAB WORKSHOP

The two-day lab workshop provides attendees with detailed and specific information regarding identification, assessment and management of pathogenic wood decay fungi and their interactions with trees. The lab workshop will be hands-on with microscopes for direct examination of wood and fungi samples.

The lab workshop will begin with a review of wood anatomy, focusing on cell types and the structure of the woody cell wall. It will then focus on adaptations of wood decay fungi to the differing properties of specific tree species. The wood decay process and its impact on the mechanical and structural properties of wood will then be investigated and discussed, with participants using microscopes to examine prepared samples. **The lab is limited to 30 attendees per location.**

July 21 (Memorial Union)
July 22 - 23 (Rm. 1147 Plant Sciences))

U.C. Davis
1 Shields Ave.
Davis, CA 95616

August 3 (Ahmanson Classroom)
August 4 - 5 (Brody Lab)

The Huntington
1151 Oxford Rd.
San Marino, CA 91108



Wood Decay in Urban Trees Seminar & Lab Series

Davis and San Marino, CA | Summer 2016

☐ **Davis, CA** ☐ **San Marino, CA**
☐ **Lab** ☐ **Seminar**

Registration for one-day seminar:

	WCISA Member	Non Member
Advance Registration Before July 10th	\$120.00	\$145.00
Regular Registration On or after July 11th	\$145.00	\$170.00

Registration for two-day lab:

	WCISA Member	Non Member
Advance Registration Before July 10th	\$400.00	\$425.00
Regular Registration On or after July 11th	\$425.00	\$450.00

Registration Information

Name: _____ CH- _____

Company: _____

Address: _____

City, ST, Zip: _____

Phone: _____ Email: _____

☐ Vegetarian ☐ Vegan ☐ Gluten Free

Payment Information

Total Amount Due: \$ _____

Credit Card/Check #: _____

Exp: _____ CVV: _____ Card Type: V MC AmEx

Make checks payable to: Western Chapter ISA

Mail to: 31916 Country Club Dr., Porterville, CA 93257

Fax: 714-639-9450 Email: registration@wcisa.net



U.C. Davis
1 Shields Ave.
Davis, CA 95616



Huntington Gardens
1151 Oxford Rd.
San Marino, CA 91108



Seminar

5.75 - CA/CTW/MS

5.75 - BCMA-S

Lab

11.0 - CA/CTW/MS

11.0 - BCMA-S

REGISTER ONLINE AT
WCISA.NET/EVENTS