

Wood Decay Workshop

Decay-Testing, Biology & Biomechanics

Understanding biomechanical principles and biology in relation to assessing trees for decay

Day One

Time	Speaker	Topic
7:30		Registration & Coffee
8:20		Welcome
8:30	Chris Luley, <i>Ph.D. Urban Forest Diagnostics LLC</i>	Assessing Trees for Decay
9:20	Frank Rinn, Inventor of Resistograph and Arbotom, RINNTECH, Germany	Wood anatomy, wind-load and basic tree biomechanics
10:30		Break
10:45	Chris Luley	Biology of Decay Fungi: Decay types, Life cycles, and Fruiting
11:35	Frank Rinn	Shell-wall thickness and breaking safety of mature trees
12:25		Lunch
1:00	Frank Rinn and Chris Luley	Outdoor Session Frank Rinn and Chris Luley will demonstrate tree assessment using their basic and advanced testing methods including visual, sounding, DNA testing, resistance drilling (Resistograph)
2:20		Break
2:35	Frank Rinn	Basics, Possibilities and Limitations of Tree Inspections
3:25	Chris Luley	Introduction to TreeRot.com and Identification of Common Decay Fungi, what they mean to stability
4:15		Wrap up/Evaluations

Day 2: Advanced Training Day

Time	Speaker	Topic
7:30		Registration & Coffee
8:20		Welcome
8:30	Chris Luley, <i>Ph.D. Urban Forest Diagnostics LLC</i>	Decay Fungi Identification: Part 2
9:20	Frank Rinn, <i>Inventor of Resistograph and Arbotom RINNTECH, Germany</i>	Advanced Tree Biomechanics
10:30		Break
10:45	Chris Luley	Root Decay Fungi Identification, Assessment and Management
11:35	Frank Rinn	Calculating tree-safety?
12:25		Lunch
1:00	Frank Rinn and Chris Luley	Outdoor Session: Frank Rinn will demonstrate tree assessment advanced testing using sonic tomography (Arbotom)
2:20		Return to Class
2:35	Frank Rinn	Basics, Possibilities and Limitation of Tree Inspections
3:25	Chris Luley	Does Biology Trump Biomechanics?
4:15		Wrap up/Evaluations

Speakers

Dr. Chris Luley

Dr. Chris Luley has a 40+ year career in urban forestry and arboriculture. He is the former State Forest Pathologist for the Missouri Department of Conservation and ran the Plant Diagnostic Clinic at Iowa State University. He is currently based in upstate New York and operates Urban Forest Diagnostics. His book “Wood Decay Fungi” is well known to many arborists and his collaborative website www.treerot.com is popular. He is a recipient of the R.W. Harris Author’s Award from the International Society of Arboriculture and the Lifetime Achievement Award from New York State Arborists, ISA Chapter, Inc. and Author Award from the Midwest Chapter of ISA.

Frank Rinn

Born in 1963, Frank Rinn grew up in Heuchelheim/Germany. He studied Physics, Math and Philosophy at Gießen and Heidelberg University after having worked as a carpenter. He developed resistance drilling and invented sonic tomography for tree and timber inspection as well as hard- and software for dendrochronology. Frank started his own company, RINNTECH, and developed equipment including RESISTOGRAPH® and ARBOTOM®. Frank has been active in ISA since 2001.