

Conference & Workshop About the Care of Old & Veteran Trees

Trees, Fungi, Physiology, Wind & Biomechanics

Science, Basics, Principles & Practical Consequences

Lynne Boddy, Franziska Hunger, Gustav Kettl, Karl Niklas, Jon Hartill, Frank Rinn

Frankfurt/Germany, 27. - 29. OCT 2026 (Hotel near Airport)

Lectures, Questions & Answers, Discussions, Practical Workshop

Tentative Schedule:

<u>TUE 27. OCT</u>	<u>WED 28. OCT</u>	<u>THU 29. OCT</u>
Karl Niklas: Size, shape and geometry - hollow tubular stems can bend and deform in one of two ways.	Franziska Hunger: Advanced methods to model wind loading and wind dynamics in the urban landscape.	Frank Rinn: from wood-anatomy to biomechanics, windload and crown cabling.
Lynne Boddy: Fungi wars - the battle for resources between decay fungi in the living tree / a re-appraisal of the CODIT model.	Lynne Boddy: Dirty rotters? The ecological role of common species of decay fungi in living trees / why they are so important!	Frank Rinn: possibilities and limitations of the major technical diagnostic technologies for evaluating tree safety.
Karl Niklas: Material properties and modes of failure.	Jon Hartill: Pruning veteran trees. Can we apply the same practices used on young trees?	Frank Rinn: modern, enhanced and efficient static load tests using ASR.
<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
Outdoor session with switching groups: Jon Hartill: general pruning advices Frank Rinn: correct resistance drillings	Outdoor session with switching groups: Jon Hartill: pruning advice for old trees Frank Rinn: 3D-scanning and 3D-tomography.	Practical outdoor session: Frank Rinn: modern static load tests: > comparing stem bending with root plate inclination (ASR); > pushing instead of pulling; > measuring uplift and subsidence of the soil around a tree (on soil, asphalt, concrete, walls/structures, ...).
Karl Niklas: Variant and invariant conditions - Physical laws influence the ability of plants to exchange energy and mass with their external environments.	Franziska Hunger: How does the urban infrastructure change wind speeds and how do buildings alter wind velocities on tree crowns.	Frank Rinn: Efficient data analysis and reporting.
Lynne Boddy: The tree as a holobiont and the ecology of fungi in and on trees, including the significant role of mycorrhizal fungi.	Gustav Kettl: Studying wind loading on individual tree crowns.	Frank Rinn: Case studies of technical tree-safety inspections.
Karl Niklas: Roots biomechanics and soil restorative moments.	Frank Rinn: Why the VTA thresholds and SIA calculations cannot determine tree-safety but Allometric-Self-Referencing (ASR) does.	
<i>Conference Dinner</i>		

We plan to provide simultaneous translations via APP (needs smartphone & headphones/ear-pods).

Contact email@rinntech.com for abstracts, location, registration links and pricing (significant discounts for RINNTECH customers!). Conference fee includes dinner and licenses for various tree-evaluation software. Detailed information shall be provided soon.