



Contact Person

Do you have any questions?
I would be happy to advise you!



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Seminar management

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VTA Advanced Seminar with Prof. Dr. Claus Mattheck

The VTA Advanced Seminar is recommended for all professionals who want to deepen and expand their existing knowledge, as well as all participants of the VTA Basics Seminar.

Seminar topics

- Thinking tools based on nature - without formulas!
- The self-optimization of trees
 - Growth regulators as tree sculptors
 - Outer shape optimization and self-healing
 - Inner timber optimization and the competing failure (transverse tension, shear and longitudinal pressure compared to non-fiber composites)
 - Growth stresses and failure from too much (explosion) or too little internal stress (summer drop of branch and trunk)
- Repair attachments as warning signals
 - The growth strip as a gentle warning to the trees or as a line of force flow
 - Crack and rib, crack causes and risk assessment, (shear bomb, separation, thrust crack, hazard beam, banana crack, twist crack, ovalization crack, transverse fiber tear on wood vortex, branches and grafts)
 - Swellings due to rot, buckling, burl and tree cancer
 - Lightning gutter and collision damage
- The face of the bark
 - increasingly leaning trees
 - subsiding branches
 - loose bark
 - what the Chinese beard tells...
- The biomechanics of the root
 - Force cones under the tree: taproot and heartroot
 - New aspects of anchoring mechanics and root rot punching girdling roots
 - Surrounding trees, floor and wall cracks
- Climate-resistant tree?
- Failure criteria and their verifications
 - Cavity, slenderness, reduction in cross section, bark appearance
- Fluid mechanics, crown shape and pruning

Seminar information

€ Price: 420,00 € per participant plus VAT

🕒 Duration: approx. 7 hours incl. breaks

🏠 Place: IML Seminar Center, Parkstraße 33, Wiesloch 69168, Germany

👥 Group size: small group