



Sachverständigen-Arbeitsgemeinschaft

Gemarkenstr. 131, D - 51069 Köln
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Email: office @ sag-baumstatik.org

Vorstand:
Michael Schlag, Klaus Schöpe
Andreas Detter, Hermann Reinartz

Invitation to the
2nd SAG workshop
in Cologne, Germany, on February 21st 2011

Dear colleagues,

the 2nd Workshop is coming up as announced in Aschaffenburg. This time we decided not to invite external speakers but to provide sufficient time for our members and interested others to share experiences and information about a specific topic.

The focus will be tensile tests to failure and the significance of such experiments for our work with trees. We have asked some members who had informed us in the past of such investigations to present their results. Just as well, the workshop will give all the others an opportunity to present their results. In this case, please register briefly to the board so that we can prepare the agenda accordingly.

The venue is the "Haus des Waldes" (house of the forest) in Cologne and is located near the airport Cologne/Bonn. There we also have the option to pull a tree to failure. In this context, we would be very grateful for some assistance in the preparation and cleanup by members equipped for arboriculture (SKT equipment, chain saw).

We hope for much interest and many of you there.

Best regards from the board

Andreas Detter

Please note:

The 3rd SAG Workshop is already set: Prof. Dr. Andreas Roloff, "Vitality and Crown Architecture," Monday, 26.09.2011, in the guest house of "Institut für Jugendarbeit", Germeringer Strasse 30, D-82131 Gauting, 089-893233-0, info@institutgauting.de. Please make sure to quickly book your rooms in the guest house or in hotels, as this is the time of Munich Oktoberfest (best chances for a Bavarian social experience ...)

For the 4th SAG Workshop (end of February 2012), Prof. Bodo Ruck from the Karlsruhe Institute of Technology (KIT) will be available. At the Karlsruhe university, he will present his findings on the aerodynamic behaviour of trees and his work on wind effects in the wind tunnel.



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2nd SAG Workshop

21st of Februar 2011 in Cologne

Members of SAG Baumstatik:

What is to be learned from pulling trees to failure?

In standard pulling tests, only a fraction of the failure load is applied. But in scientific studies trees often have to be loaded to ultimate failure of the stem or the root plate. In the recent past, several members of SAG performed such tests as well. In this workshop, they will report the results.

In order to apply the findings to the practice of tree assessment and device based inspection, analysis of data and discussions about the conclusions are essential. This workshop will provide all interested professionals the opportunity to present their experiences as well as to learn about and contribute to the work of their colleagues.

Languages: German, English

Time Monday, 21.2.2011
9:00 am to 5:30 pm

Venue Haus des Waldes
Gut Leidenhausen, 51147 Köln (Porz-Eil), Germany
phone (0 22 03) 3 99 87, www.cologneweb.com/wald.htm

Cost SAG-members lunch and coffee (provided by caterer)
Non-members 265.- € plus VAT (lunch and coffee included)

Accommodation Airport Hotel the New Yorker, Waldstr. 216, Köln, +49-2203-95685
Airport Business Hotel, Frankfurter Str. 643, Köln, +49-2203-101790

Registration office@sag-baumstatik.org until 11.2.2010



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Program

2nd SAG Workshop in Cologne, 21.2.2011

Vorstand:

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Andreas Detter, Hermann Reinartz

9:00 am - 9:05 am

welcoming, introduction by the board

9:05 am - 10:30 am

Jochen Brehm
Philip van Wassenaer
Andreas Detter

root failure

Tipping patterns of nursery trees
Tipping loads of 12 London Planes in Ohio
Prognosis of root failure loads from uprooting tests

10:30 am - 11:00 am

Coffee break

11:00 am - 1:00 pm

Vincent Dellus
Paul Muir
Andreas Detter
Rainer Prosenz

stem fracture

Fracture test on a hollow Taxodium
Crack formation in an Oak
Fracture load and elastic limit for 10 London Planes in Ohio
Fracture test on a 29 m tall Ash

1:00 pm - 2:00 pm

Lunch break

2:00 pm - 4:00 pm

Practical load test to ultimate failure

4:00 pm - 4:30 pm

Coffee break

4:30 pm - 5:30 pm

Discussion, summary, wrap up