

Seminar series No. 71

Tree architecture and Morphophysiology

Barcham Trees presents a seminar with

- Stefania Gasperini
- Giovanni Morelli

At Barcham Trees

April 10th 2019

9.30am-4.30pm



Stefania Gasperini Giovanni Morelli

→ The day will be **FREE OF CHARGE** with Breakfast and lunch included (Please note, we are unable to cater for individual needs)

Places are limited to 60 so register NOW!

Contact: Natasha Hutchison

Email: natasha@barchamtrees.co.uk
Tel: 01353 771731 Mob:07794 562022
Book online: www.barchampro.co.uk

Nursery tours available, just ask a member of the Barcham team.

The form of a tree is the expression of the dynamic relationship that binds each tree with the environment in which it grows. The form a tree acquired, however, is not simply a reaction to its environment, but also relies on the adherence to principles of tree architecture development. Giovanni will illustrate how these principles change according to the different species and how they evolve following the life of each individual tree. The relationship that links the crown architecture to the organization of the root system will be presented and finally it will be shown how it is possible to relate the architectural characteristics of a tree to biological, physiological and pathological aspects.

Applying the Morphophysiological Approach: Tree Pruning and Tree Stability

Morphophysiology is the discipline that links the tree's architecture with its biological functioning, with reference to its energetic, hormonal and structural aspects. Morphophysiological analysis is based on the predictability of the evolution of a tree. Observations of its present state, allows one to reconstruct its past and foresee its future development. In this way, the most appropriate diagnostic or arboricultural interventions can be designed to positively affect long-term structure. A case study on a veteran London Planes (*Platanus x hispanica*) will be presented.

Barcham Trees Plc, Eye Hill Drove, Ely, Cambridgeshire, CB7 5XF

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Profiles



Stefania Gasperini

Stefania Gasperini, graduated in Agricultural Sciences, is the owner of AR.ES. SAS created in 1996 as a company of consultants in urban forestry, parks and green areas.

The main goal of the company it's to transfer in day-by-day practice of management the most up-dated knowledge in arboriculture and horticulture, both for public and private clients.

Trees inventories, master plans of parks and green areas, tree risk evaluations, tree risk management and tree care of ancient trees are some of the specialized fields of AR.ES.

Stefania Gasperini made presentations and workshops on the topics of her professional life, in Italy and abroad.

She is a member of the ISA (International Society of Arboriculture), of the SIA (Italian Arboriculture Society), of the AA (Arboriculture Association) and of the SAG Baumstatik – Board Member (technicians qualified in the SIM method for assessing tree stability). She is a Vice Chairman of the EAC (European arboriculture Council).



Giovanni Morelli

Giovanni Morelli, graduated in Agricultural Sciences, started his professional activity in 1994 and provides site assessments for hazard trees and tree appraisals, tree risk management, tree inventories, regulations for municipality for trees and parks, restoration of hystorical gardens. His clients are mainly Local Administrations and with his staff work from Torino to Avellino.

He has participated in the drafting of the Monumental Tree Management Manual of the Emilia Romagna Region and he wrote many papers and gave many lessons on his favourite topics, such as phytopathology and bio-mechanics of trees. He is a member of the ISA (International Society of Arboriculture), of the SIA (Italian Arboriculture Society), of the AA (Arboriculture Association) and of the SAG Baumstatik (technicians qualified in the SIM method for assessing tree stability). He acquired the qualifications of ISA Certified Arborist, ETT - European Tree Technician, ISA BCMA (Board Certified Master Arborist) and TRAQ (Tree Risk Assessment Qualification).

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