

TEP SEMINAR VII

TREE MORPHOLOGY:

Theory & Practice, Diagnostics & Management

The University of West of England
Frenchay Campus, Bristol
15th June 2007

8.45 a.m.	Registration and coffee	
SESSION 1: TREE MORPHOLOGY: PHILOSOPHY & PRINCIPLES		
9.00 am – 9.45 am	Welcome & Introduction to the Tree Morphology Seminar Theme <i>From Leonardo to the French School</i> <ul style="list-style-type: none"> Hydraulic-driven models of tree architecture, pipe theory & the area-preserving rule; the origins of modern tree morphology 	Neville Fay <i>Chairman</i>
9.45 a.m.– 11.30 am	The Principles & Main Features of Tree Morphology <i>A background to the development of tree morphology</i> <ul style="list-style-type: none"> Review of tree morphology The underlying laws governing tree growth, form & function The developmental perspective of tree morphology 	Dr Pierre Raimbault <i>France</i>
11.30 a.m.– 11.50 am	Coffee	
SESSION 2: TREE ARCHITECTURE & REITERATION		
11.50 am .– 1.00 am.	The Morphological Principles of Tree Architecture & Reiteration (I) <ul style="list-style-type: none"> Characteristics of growth patterns Mechanisms of branching in trees; architectural models The influences and significance of reiteration 	Prof. Francis Hallé <i>France</i>
1.00 p.m.– 2.00 p.m.	Lunch	
SESSION 3: DIAGNOSTICS & MANAGEMENT		
2.00 p.m.– 3.15 p.m.	Tree Morphology: A Basis for Diagnosis & Management <ul style="list-style-type: none"> Modelling tree architectural patterns & perception of the architectural unit Developmental process in the root and shoot systems The developmental interrelationships above & below ground Patterns of form & function A specific approach using morphology for tree diagnosis and management 	Dr Pierre Raimbault & Prof. Francis Hallé
3.15 p.m.– 3.30 p.m.	Tea	
3.30 pm - 4.30 pm	The Morphological Principles of Tree Architecture & Reiteration (II) <ul style="list-style-type: none"> Reiteration as a process The nature of reiteration in trees. Types and mechanisms of reiteration. Relations to physiological and genetic changes 	Dr Pierre Raimbault & Prof. Francis Hallé
4.30 pm - 5.00 pm	Discussion & Conclusion <ul style="list-style-type: none"> Key issues raised in earlier sessions The importance of tree morphology for UK arboriculture Future developments as a theme in the Innovations in Arboriculture seminar series 	Dr Pierre Raimbault Prof. Francis Hallé Neville Fay