

# Programme for the Fourth International Dendroecological Laboratory Week 2005

## "Tree Ring and Environment"

Venue Übungsraum ÜR1, 1st floor, Herder-Gebäude, Tennenbacher Strasse 4, 79106 Freiburg

Date	from	to	Programme	Speaker	Moderator	
Mo. 14.Feb.05	8:15	10:00	Introduction for Students	Heinrich Spiecker / Philipp Duncker		
	13:00	14:00	Registration			
	14:00	14:30	Welcome and Introduction to the Fourth International Dendroecological Laboratory Week	Heinrich Spiecker		
	<b>Stable isotopes in tree ring research</b>					
	14:30	15:00	"Significance of stable isotopes in tree ring analysis"	Elke Brandes	Achim Bräuning	
	15:00	15:30	"Tree ring width and stable isotopes as tools for understanding the impact of various environmental factors on forests"	Paolo Cherubini		
	15:30	16:00	<i>Coffee break and Registration</i>			
	<b>Stable isotopes in tree ring research continued</b>					
	16:00	16:30	"Radiocarbon and dendrochronology - an ideal match to unravel the past"	Bernd Kromer		
	16:30	17:00	"Long-term precipitation changes in western Central Asia from tree ring $\delta^{18}O$ "	Kerstin Treytde		
	17:00	18:00	Panel discussion on the use of stable isotopes in tree ring research		Hans-Peter Kahle	
	19:00	<b>Welcome Party at the Institute for Forest Growth</b>				
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Tu. 15.Feb.05	<b>Preparation methods</b>					
9:15	9:45	"Surface preparation and in situ analysis of mechanical, dielectric and optical properties along wood cross sections"	Martin Schinker	Kurt Nicolussi		
9:45	10:15	"Preparation of stem cross sections by milling for tree ring structure analysis"	Johannes Tröger / Philipp Duncker			
10:15	10:45	<i>Coffee break and Registration</i>				
<b>Tree rings as indicators for climate</b>						
10:45	11:15	"Linking tree ring growth to physiological processes and corresponding microclimate"	Roman Zweifel	Marco Fioravanti		
11:15	11:45	"Detecting climatic signals from chronology networks"	Achim Bräuning			
11:45	12:15	"Dendroglaciology - Methods and Results of research in the Alps"	Kurt Nicolussi			
12:15	12:45	"Influence of climate change on radial growth of Siberian spruce and Scots pine in Komi Republic (European part of Russia)"	Eugene Lopatin			
12:45	14:30	<i>Lunch break</i>				
14:30	17:00	<b>Demonstrations</b> Rinntech UP Umweltanalytische Produkte GmbH Institute for Forest Growth (participation partly to be confirmed)				
20:00	<b>Joint dinner at Restaurant "Kleiner Meyerhof"</b> Rathausgasse 27; 79098 Freiburg Fone: 0761 26941					
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We. 16.Feb.05	<b>Tree ring and environment</b>					
9:15	9:45	"New applications in dating and quantifying geomorphic processes"	Holger Gärtner	Paolo Cherubini		
9:45	10:15	"Application of Computer tomography to the studies on tree ring analysis and wood quality"	Marco Fioravanti			
10:15	10:45	<i>Coffee break</i>				

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We. 16.Feb.05				
<b>Tree ring and environment (continued)</b>				
	10:45	11:15	"Influences of the extreme summer warmth 2003 on Larix decidua and Pinus cembra near the alpine	Frank Krumm
	11:15	11:45	"Dendrogeomorphic study on snow avalanches"	Alejandro Casteller
	12:15	13:00	<i>Lunch break</i>	
	13:00	17:00	<b>Excursion</b>	
Th. 17.Feb.05				
	8:30	12:00	Teaching (Lectures and laboratory training)	Alan Crossley Hans-Peter Kahle Martin Schinker Heinrich Spiecker
	12:00	13:00	<i>Lunch break</i>	
	13:00	16:30	Teaching (Lectures and laboratory training)	Philipp Duncker others
Fr. 18.Feb.05				
	8:30	14:45	Teaching (Lectures and final discussion rounding up the Lab-week)	
	15:15	16:00	Exam (ECTS)	