

4th INTERNATIONAL PLANT SPECTROSCOPY CONFERENCE

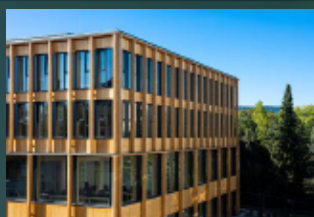
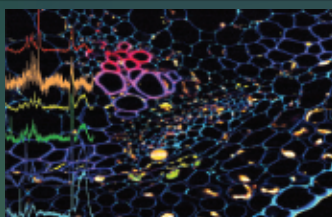
2024 September 24-27

University of Natural Resources and Life Sciences
Vienna, Austria



THE CONFERENCE AIMS TO

- ◇ bring spectroscopy to plant scientists and plant sciences to spectroscopists
- ◇ show and discuss spectroscopic techniques and their potential in plant sciences
 - ◇ gather scientists from fundamental to applied research
 - ◇ highlight applications from academia to industry
 - ◇ train students in pre-conference workshops



SESSION & KEYNOTE SPEAKERS

FTIR spectroscopy (MIR,NIR)

LENNART SALMÉN (KTH, S) Why dynamic FTIR for studies on wood and other complex materials?

Raman spectroscopy

UMESH P AGARWAL (FOREST PRODUCTS LABORATORY (FPL), MADISON WI, US)

From nanocelluloses to plant cell walls – How Raman spectroscopy is making a difference

PAVEL MATOUSEK (RUTHERFORD APPLETON LABORATORY, UK)

Non-invasive Probing of Opaque Materials with Raman Spectroscopy

Chemometric approaches

AXEL MOSIG (RUHR-UNIVERSITÄT BOCHUM, D)

Theory is dead, long live theory: Hypothesis-centric machine learning in vibrational spectroscopy

HANS LOHNINGER (EPINA SOFTWARE LABS, A)

IR and Raman Hyperspectral Imaging from a Chemometrics Perspective: Problems, Pitfalls and Solutions

Micro-nano-spectroscopic imaging

GEORG RAMER (TU VIENNA, A)

Labelfree chemical analysis at nanoscale spatial resolution

Autofluorescence spectroscopy

LLOYD DONALDSON (SCION RESEARCH, NZ)

Auto-fluorescence based techniques in plant sciences

NMR and mass spectroscopy

MAJA MUSSE (UR OPAALE, INRAE RESEARCH INSTITUTE, F)

MRI and Time Domain NMR: Opportunities & Challenges in Plant Research

DAVID ROPARTZ (UR1268 BIA, INRAE RESEARCH INSTITUTE, F)

New dimensions in the characterization of carbohydrates by mass spectrometry

PRE-CONFERENCE SESSIONS (23.09.2024)

- ◇ Theoretical workshop on vibrational spectroscopy
- ◇ Practical workshop on Raman imaging
- ◇ Data analysis workshop: Identifying (pure) components

Abstract submission

31 May 2024

Registration

31 July 2024



INFORMATION AND CONTACT:

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