

SusBIC II - ISWFPC pre-symposium -- Venice 2023 -- PROGRAM

SusBiC – 2nd edition - Young Researcher Forum on Sustainable Biomass and Climate Change – Special Edition ‘ISWFPC pre-symposium’

PROGRAM

Location: Ca’Foscari University of Venice
Scientific Campus Mestre – Building ‘alpha’
Via Torino 155
Venice-Mestre, Italy
Date: 03/07/2023 to 04/07/2023
Mode: in presence

03/07/2023

8.30 – 9.00 Arrival & registration
9.00 – 9.15 Welcome notes (Organizers)

Topic 1 – NMR analyses of lignocellulosic biomasses as natural composite materials

9.15 – 11.00 *Tutorial key note I: **Dimitris Argyropoulos**
An Anatomy of Wood, it’s Components & 31P NMR for Lignin Analysis*

11.00 – 11.30 Coffee break

11.30 – 12.30 *Tutorial key note II: **Hoon Kim**
Insights in the molecular construction of lignocellulosic biomasses*

12.30 – 13.30 Lunch break

13.30 – 14.30 *Tutorial key note III: **Claudia Crestini**
Quantitative HSQC analyses of polyphenolic biomass components*

14.30 – 16.00 *Training session I: **Organizers**
Hands on complex analysis problems: data interpretation, analysis strategies*

16.00 – 16.30 Coffee break

16.30 – 18.30 *Digital poster session*

04/07/2023

Topic 2 – Spectrometric analysis of lignocellulosic materials

9.00 – 09.45 *Tutorial key note IV: Umesh Agarwal*
Raman spectroscopy for lignocellulosics and components

10.00 – 11.30 *Tutorial key note V: Antje Potthast*
Determination of molecular weights of lignocellulosic materials

11.30 – 12.00 Coffee break

Topic 3 – Thermal analysis methods lignocellulosic materials

12.00 – 13.00 *Tutorial key note VI: Jeannette J Lucejko*
Chemical characterization of lignocellulosic material by analytical pyrolysis.

13.00 – 14.00 Lunch break

Topic 4 – Generation of and analyses strategies for carbonised lignocellulosic material

14.00 – 15.45 *Tutorial key note VII: Riccardo Ruffo*
Biochar for energy storage and conversion: structure-property correlations for materials design

15.00 – 16.30 *Training session II: Organizers*
Hands on pyrolysis analysis of biomasses and biochar analyses

16.30 – 17.00 Concluding remarks & farewell to main conference.