

Measurement and Modelling of the Pore-Level Properties of Paper Products



A one-day short course centred around the use of the modelling software

Pore-Cor Research Suite

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Programme

- 9.15 am** **Introductions**
- 9.30 am** **Introductory talk - "Pores for thought"**
- ◆ The strange behaviour of fluids in pores
 - ◆ Review of pore modelling approaches
 - ◆ How does Pore-Cor fit into the worldwide research framework ?
 - ◆ What does mercury porosimetry tell us?
- 10.30 am** **Coffee**
- 10.45 am** **Check that all portable computers are loaded with Pore-Cor RS**
- 11.00 am** **First hands-on workshop session**
- ◆ Modelling simple mercury intrusion curves
- 12.00 pm** **Lunch**
- 1.00 pm** **Second talk**
- ◆ Principles of data inversion
 - ◆ The Boltzmann-annealed Simplex
 - ◆ The wetting algorithm
- 1.45 pm** **Second hands-on workshop session**
- ◆ A reminder about compressibility
 - ◆ Modelling of compressible paper-coating structures using Pore-Comp, Pore-Cor and the Simplex
- 3.00 pm** **Tea / Coffee**
- 3.15 pm** **Concluding talk**
- ◆ Other applications of Pore-Cor RS
 - ◆ Pore-Cor issues
 - representative elementary volume
 - boundary conditions
 - permeability
 - ◆ Pore-Cor in the near future
 - filtration
 - particles as well as pores
- 4.00 pm** **Question and answer session**
- 4.30 pm** **Close**