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http://sl.life.ku.dk/English/research/biomass_and_bioenergy/wood_biomass_science_technology.aspx

Involvement in the COST Action: MC member Denmark- WG2

Research interest:

Development of innovative, environmentally friendly, biomaterials for coatings and adhesives. Structure-property relationships in polymers, composites, adhesives and coatings. Interface and interphasial “phenomenon” between polymers and other materials, both polymeric and non-polymeric solids. Material science of natural materials.

Specialized technique available in my lab and possibility to use other equipment with permission. *Note some techniques need guidance from other faculty from my group.*

- Instron testing machine- tension, compression, bending (peel test possible with new jig).
- Vacuum impregnation of wood (small lab scale amounts)
- AFM
- ATR-FTIR (near and far IR)
- Low field NMR
- Possibly other spectroscopy techniques such as UV spectrometer
- Differential Scanning Calorimeter (*different department*)
- Dynamical Mechanical Thermal Analyzer (*different department*)
- SEM (*different department*)

Additional comment

Please indicate your availability and willingness to engage yourself in a study or measurements for other members of the Cost Action FP1006 as part of a collaborative study/project and possibly a common peer review paper.

YES- Review Paper

YES-collaborative study if time permissible

YES-If funding is available