TAMPERE UNIVERSITY OF TECHNOLOGY (TUT) PAPER CONVERTING AND PACKAGING TECHNOLOGY ACTIVITIES

The PCPT research unit offers teaching and research on paper and paperboard converting technology, materials (fibre- and plastic-based) and products. R&D is focused on (co)extrusion coating, laminating, dispersion coating and their applications. The development challenges of today include high-barrier and thin nanoscale coatings (e.g. ALD, LFS), materials from renewable resources (e.g. biopolymers) and sustainable packaging materials. The unique pilot lines provide tailored R₂R surface treatment (e.g. corona, flame, plasma, UV, IR) and coating possibilities for various substrates. Well-equipped laboratory has modern analytical methods for characterizing the essential properties of packaging materials (e.g. barrier properties and heat sealability).

ACTINPAK FOCUS

TAMPERE UNIVERSITY OF TECHNOLOGY

TUT/PCPT is the leader of WG2 "Industrialisation & Market introduction".

We are interested in the development of fibre- and plastic-based materials for active and intelligent packages. We can produce multi-layer structures and coatings and modify surfaces in order to achieve targeted properties. We are interested in finding out the existing active & intelligent solutions and developing new solutions. Furthermore, we look forward to create strategies to introduce active and intelligent solutions for the industry. In this, co-operation between academia and industrial partners and feed-back from various interest groups is essential.





TUT/DEPT. OF MATERIALS SCIENCE, PAPER CONVERTING AND PACKAGING TECHNOLOGY, TAMPERE, FINLAND WWW.TUT.FI/MOL

DR. JOHANNA LAHTI, JOHANNA.LAHTI@TUT.FI, TEL. +358 40 849 0156

PAPER CONVERTING AND PACKAGING TECHNOLOGY

