



TUT ActInPak Summer school - Active and intelligent packaging solutions  
(June 12-16, 2017, Tampere, Finland)

	Topic	Lecturer
<b>Monday June 12th</b>		
12.30-13.00	Registration	
13.00-13.30	Opening and introduction of COST action ActInPak	Johanna Lahti, TUT
13.30-14.15	Production methods of packaging materials	Johanna Lahti, TUT
14.15-15.00	Materials and their properties	Johanna Lahti, TUT
15.00-15.30	Comfort break	
15.30-16.15	Paper as a substrate for AIP	Martti Toivakka, Åbo Akademi University
16.15-17.00	Sustainable development and packaging	Greg Ganczewski, COBRO
<b>Tuesday June 13th</b>		
9:00-9:45	Review of Active solutions for packaging applications	Jari Vartiainen, VTT
9.45-10.30	Potential of MFC and nanocellulose for AIP	Sampo Tuukkanen & Johanna Lahti, TUT
10:30-10:45	Comfort break	
10:45-11:30	Overview of intelligent solutions/functionalities and technologies behind them	Tomas Syrový, University of Pardubice
11:30-12:15	Active and Intelligent packaging - Industry view, focus in pressure sensitive adhesive labels	Sipi Asu, UPM Raflatac
12:15-13:00	Lunch	
13:00-13:45	Preservation of Food through Packaging: Opportunities, Potentials and Challenges for Active and Intelligent Packaging	Selcuk Yildirim, ZHAW
13:45-14:30	Principles of Toxicology and Risk Assessment	Katherine Flynn, SAFE Consortium
14:30-14:45	Comfort break	
14:45-15:45	Food contact legislation and migration	Sara Limbo, University of Milan
15:45-16:30	Multisensory evaluation of AIP solutions	Virpi Korhonen, Package Testing & Research Ltd
19.00	Get-together dinner (Time and place to be confirmed)	
<b>Wednesday June 14th</b>		
9:00-12.00	Extrusion coating exercise at Pilot line	Johanna Lahti, TUT
12:00-13:00	Lunch	
13:00-13:45	Active and Intelligent packaging - Industry view	Simo Siitonen, StoraEnso
13:45-15:00	Life Cycle Assessment (LCA) - Theory - Part I	Greg Ganczewski, COBRO
15:00-15:30	break	
15:30-16:30	Life Cycle Assessment (LCA) - Theory - Part II	Greg Ganczewski, COBRO





#### Thursday June 15th

- 9:00-12:00 Lab work and demos (e.g. barrier, sealability, surface energy) - Johanna Lahti, TUT
- 12:00-13:00 Lunch
- 13:00-15:00 Life Cycle Assessment - Practice and Exercises - Greg Ganczewski, COBRO
- 15:00-15:30 break
- 15:30-16:30 Life Cycle Assessment - Practice and Exercises - Greg Ganczewski, COBRO

#### Friday 16th

- 9:00-12:00 Field trip: visit to MetsäBoard (paperboard) mill in Tampere - Johanna Lahti, TUT

Note: Company has the right to approve or decline visitors.

Programme may be subject to change.

Website: <http://www.tut.fi/ActInPakSummerSchool>

