

Oxygen permeability and economic-environmental impact studies of some polyvinyl alcohol dispersion barrier coatings for packaging applications

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Information about the speaker

Magnus Lestelius holds an MSc in Physics (1991) and a PhD in Applied Physics (1996) from Linköping University. Following that, Prof. Lestelius was employed as a Research Scientist, in the field of packaging and printing, at Stora Enso Research from 1997 to 2001. Since 2001, Prof. Lestelius has been employed by Karlstad University, Department of Engineering and Chemical Sciences, and was appointed to Professor of Graphic Technology in 2011. The research of Prof. Lestelius is focused on the parts of graphic technology that is constituted by molecular interactions, i.e. the process of ink transfer and setting and the performance of graphical and functional printing. Using tools such as spectroscopy, wettability and probe microscopy along with more process and performance oriented tools (like rheology, print quality, and conductivity) in combination with modelling, the observed performance is related to structure. Prof. Lestelius teaches (formerly Director of Studies for MSC in Engineering, 2009-2015) and networks, encompassing vocational training (KTC and BGU) research funding (Ridderstad's foundation), industrial associations (Sweflex and The Paper Province) and research (COST, IARIGAI, FPIRC, EFPRO and NRS). H-factor: 11 (H-index from Web of Science) (Co)-author of some 50 scientific publications, for examples see https://www.researchgate.net/profile/Magnus_Lestelius.