THE PHYSICS OF FOAM-FIBRE DISPERSIONS

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Scientific Background / Current Research

Foams are encountered throughout our daily routines, such as shaving, brushing our teeth, doing the dishes or enjoying a cappuccino. However, they also find important industrial applications, ranging from froth floatation for mineral extraction to advanced oil recovery [1]. This project addresses the use of foams in the production process of novel materials made from natural fibres, such as peat and moss [2]. The project will be carried out in collaboration with the Technical Research Centre of Finland, VTT and the Irish Peat Board, Bord na Môna.

Project

This project focuses on experiments with foam-fibre dispersions. Aim is to elucidate the fundamental physical properties of foam-fibre dispersions and to translate new knowledge of foam-fibre interaction into both advancement of the production process of novel materials, and their properties.

Funding

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More information / References: