

Distinguished Lecture Series

of the Department of Mechanical and Process Engineering

Sculpting water

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21 March 2016 from 5:15 p.m. in HG F 30 (aperitif after the lecture)

Water, and more generally liquids, are shapeless. However, the conjunction of surface tension with external actions (such as shocks, centrifugations, etc.) allows us to sculpt water, and thus to achieve specific functions. We discuss in particular how water-repellent materials can be used for such purposes, and which functions can be generated from these „sculptures“. We illustrate this discussion by showing various spectacular applications found in the natural world.