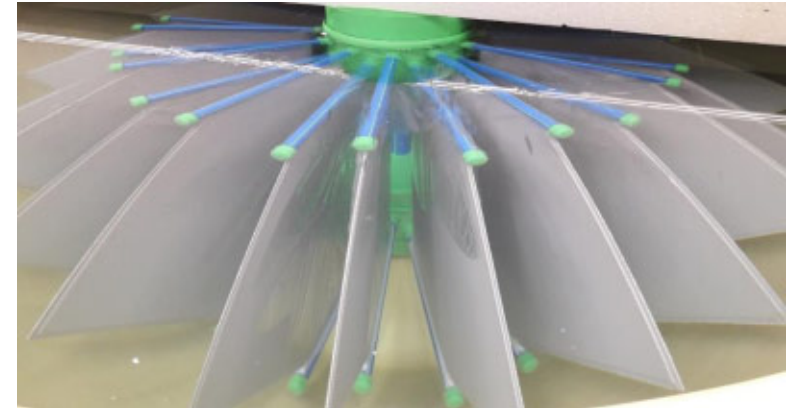
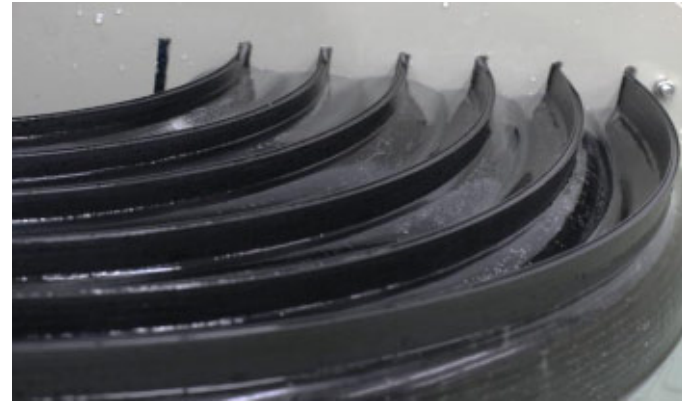


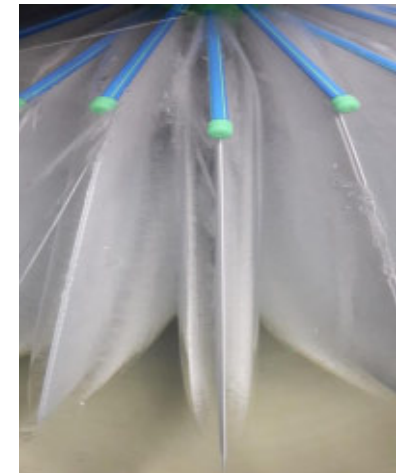
Modeling and validation of the ice growth in an ice storage system

Stefanie Paulini, M.Sc., Hof University

Model test bench of the ice storage system

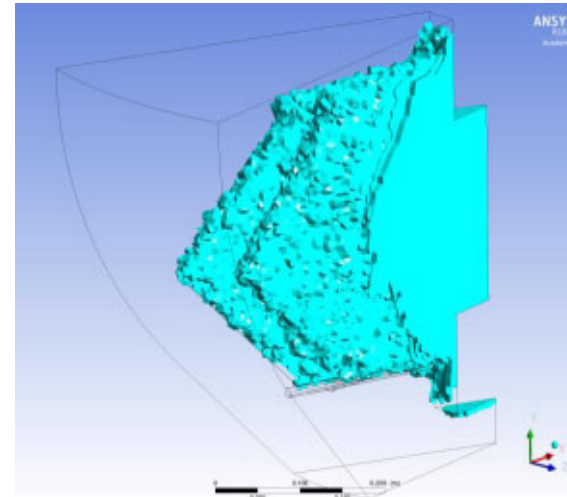
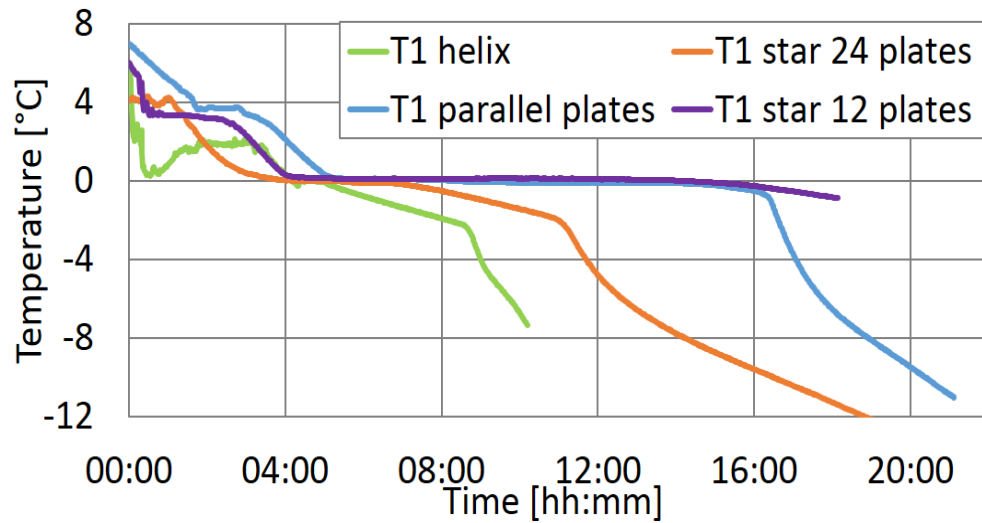


- Heat pump with 6 kW cooling power
- Ice storage tank: 2200 mm \varnothing , volume: 2.5 m³
- Heat exchanger: helix, star with 24 and 12 plates, parallel plates
- Icing experiments until the switch-off temperature of the heat pump at -10°C



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