



Paul Rübsamen-von Döhren

MATERIAL SCIENTIST · PHD-CANDIDATE

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Education

Norwegian University of Science and Technology (NTNU)

PHD IN ENGINEERING

Trondheim, Norway

Nov. 2020 - est. Autumn 2024

- Fundamental understanding of spray-ice-structure-interactions
- Advanced courses in particle design and crystallisation
- Prel. Thesis title: "Microstructure and Adhesion of Sea-Spray-Ice"

Georg-August-Universität Göttingen

M.SC. IN MATERIAL SCIENCE

Göttingen, Germany

Aug. 2017 - Aug. 2020

- Advanced lectures on special methods and modern material classes
- Thesis: High-resolution measurement methods for the characterization of steel in a SEM

Georg-August-Universität Göttingen

B.SC. IN MATERIAL SCIENCE

Göttingen, Germany

Aug. 2014 - Aug. 2017

- Interdisciplinary studies providing fundamental understanding of material structures, material production processes and sustainability of material design
- Thesis: Development of bio-based straps - Adaptation and modification of suitable testing methods and determination of mechanical and physical material properties

Presentations

Port and Ocean Engineering under Arctic Conditions

PRESENTING "ADHESION OF LAB GROWN SEA SPRAY ICE"

Glasgow, UK

June 2023

- Presented first results of adhesion measurements of sea spray ice

Arctic Science Summit Week

PRESENTING "GROWING SEA SPRAY ICE IN LAB SCALE"

Vienna, Austria

Feb. 2023

- Introduced a lab setup to grow sea spray ice
- Presented first insights about in-situ adhesion measurement

GoNorth: Seminar Exploring the Arctic Ocean

PRESENTING "PREDICTION OF ICING ON MARINE STRUCTURE" AS RESEARCHER ON EXPEDITION

Longyearbyen, Svalbard

Oct. 2022

- Introduced problems related to marine icing
- Introduced prediction methods for marine icing
- Presented research plan for expedition

Publications

Adhesion of lab grown sea spray ice

PORT AND OCEAN ENGINEERING UNDER ARCTIC CONDITIONS

Glasgow, UK

June 2023

- Conference paper related to presentation

Extracurricular Activity

Trondheim Landhockeyklubb

HEAD COACH

Trondheim, Norway

Sep. 2021 - Present

- Prepare training sessions
- Support development of individual skill and tactical understanding

Material Science student organization

STUDENT REPRESENTATIVE

Göttingen, Germany

2017 - 2019

- Represented students interests during closing of the study program
- Created plans for reintroducing material science program at the university