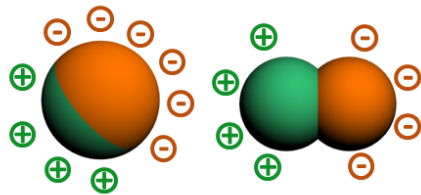


Oppositely charged soft Janus-particles for smart underwater adhesives



What we do:

Synthesis of soft Janus particles



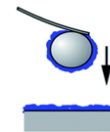
- emulsion polymerization
- variation of geometry
- functionalization of particle surface

Characterization

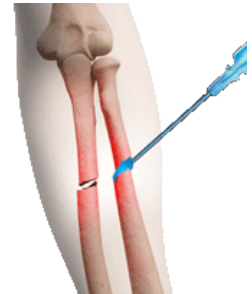
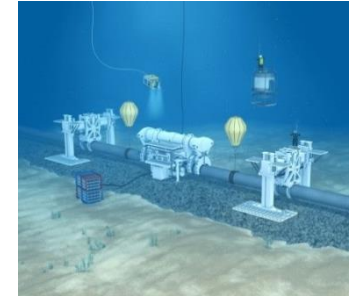
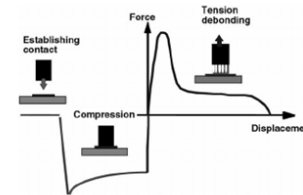
- TEM (cryo-TEM)
- SEM
- dynamic light scattering
- zeta-potential

Adhesion properties

- via AFM-CP



- via Tack test



We are looking for Bachelor students who are interested in the synthesis of polymeric Janus particles and the investigation of adhesion properties under water.

Looking forward to your response!

Dr. Alla Synytska
Group Leader

contact: synytska@ipfdd.de

