



**Graduate School of Polymer Science  
Coloplast A/S  
14th Annual Polymer Day 2019**  
22. March 2019  
Holtedam 1-3, 3050 Humlebæk

**Program:**

**8.30-9.00** - Breakfast

**9.00-9.30** - Introduction to the Danish Polymer Centre and ongoing activities by Anne Ladegaard Skov

**9.30-10.00** - Acknowledgement to and results from the research grant from Aage Louis-Hansen Foundation by Ole Hassager

**10.00-10.30** - Polymer chemistry in DPC – an overview by Anders Egede Daugaard

**10.30-10.50** - Break

**Session 1 – chairman AED**

Industrial PhD

**10.50-11.05 - Christian Andersen:** Screening of grafting methods for modification of polymer surfaces

**11.05-11.20 - Valeria Chiaula:** Advanced wound care adhesives with improved moisture handling capabilities

**11.20-11.35 - Björn Erik Fristrup Ekbrant:** Epoxy paints – from molecules to materials

**11.35-13.00** - Lunch and poster session

## Session 2 – chairman Peter Szabo

### PhD students

**13.00-13.15 - Line Riis Christensen:** Simulating thermal breakdown in multi-layered dielectric elastomers

**13.15-13.30 - Elisa Ogliani:** Designing reliable silicone elastomers for high temperature applications

**13.30-13.45 - Peng Shen:** Hard-soft thiol-ene materials without interfacial weakness

**13.45-14.00 - Justina Vaicekauskaite:** Field concentration in hydrogel-elastomer devices

**14.00-14.15 - Xue Liu:** Study on self-healing and high-permittivity silicone elastomer/keratin composite materials

**14.15-14.35 - Break and cake**

**14.35-14.50 - Sara Krpovic:** Coating with inherent sensing functionality based on dielectric elastomer

**14.50-15.05 - Alena Juraskova:** Mechanical properties and long term stability of condensation curing silicone elastomers

**15.05-15.20 - Jiang Shao:** Stretchable conductive elastomers

**15.20-15.35 - Libor Zverina:** Increasing selectivity of modified PES membranes through controlled pore collapse

**15.35-15.50 - Wendi Wang:** Rheological and mechanical properties of polystyrene with hydrogen bonding

**15.50-16.00 - Closing remarks by Anne Ladegaard Skov**