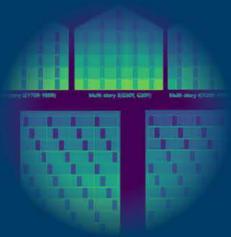
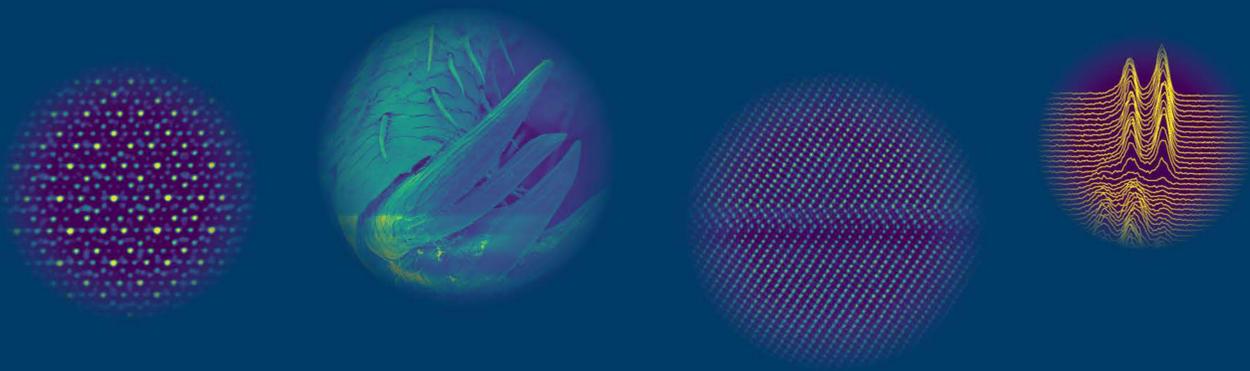




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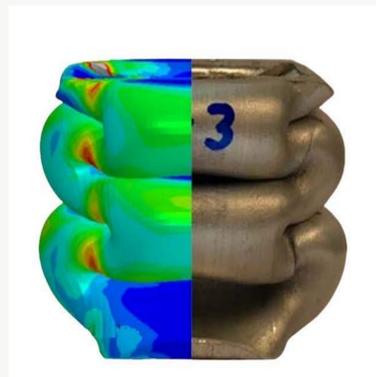
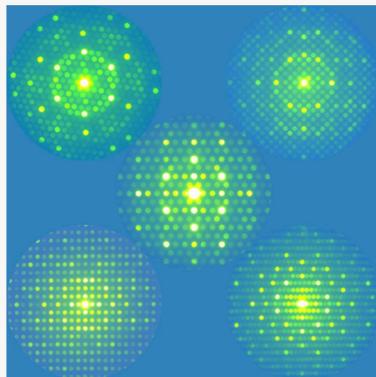
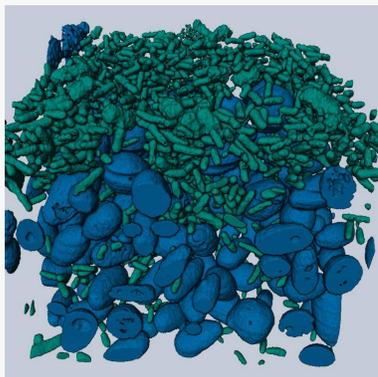


# SINTEF Materials and Nanotechnology

We conduct research on both structural materials and functional materials such as steel, aluminium, silicon, plastics, rubber, composites and nano-materials. We develop generic material expertise at a high international level for a broad market. Through our research, we translate basic material understanding into new product opportunities.

## Research areas

- Corrosion and wear
- Fracture and fatigue
- Welding and additive manufacturing
- Mechanics of materials, structures and products
- Material-process-microstructure/morphology-property relationships
- Circular economy and sustainability



## About SINTEF

- One of Europe's largest independent research organizations
- 2200 Employees
- Over 100 laboratories
- ~3,8 Million € in revenue, 92% from open competitive tenders

## Research approaches

- Characterization of materials and products
- Mechanical testing (From nano- to macroscale)
- Environmental testing (thermomechanical, aging and corrosion)
- Materials modelling (From electronic to continuum)
- Data driven material science