Characterization of deformation mechanisms during composite prepreg forming.

PhD student: Abhik Dutta.

Duration: 4 Years (2020-2024)

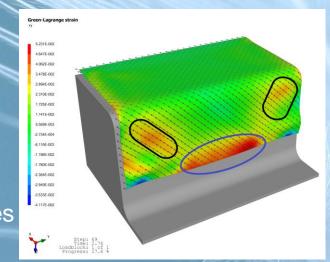
Funding: FFI (Vehicle Strategic Research and Innovation)

via VINNOVA.

Advisor: Professor Malin Åkermo.

Research Scope:

- Develop tribological models describing deformations in-between prepreg plies during forming.
- Improve process modelling/simulation capabilities for prepreg forming of snap-cure prepreg material capable of handling high volume production.









Department of Engineering Mechanics, KTH.

(Research performed as a part of "PROSICOMP II" led by RISE in collaboration with Volvo Car Corporation, Gestamp Hardtech, DYNAmore Nordic, Toray Industries Europe and LTU)