

## Call for papers

### Interactions of beam like structures in a 3D world

Young Researchers Minisymposium at NUMDIFF-16

organised by

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Beam-like structures such as strings, rods, cables, etc. are widely used in industrial applications, where their interactions among themselves and with the surrounding 3D world is specifically addressed in this mini-symposium. Although the ability to model complex structures with simple 1D beam theory enables great reductions in computational effort, there are still plenty of opportunities to provide effective formulations for these structures in the 3D world using effective geometrical or space-time discretization methods. Furthermore, discontinuities related to the contact in beam-like structures cause non-smooth behaviour that requires developing novel numerical techniques. This mini-symposium should give an insight into the latest developments on interactions of beam-like structures in the 3D world and aims to attract young researchers to present their work on novel numerical methods employed for improving the computational efficiency when modelling these particularly complex structures. Any contribution involving an above-mentioned technique, and others not specifically mentioned, is particularly welcome to the minisymposium.

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NUMDIFF-16: <https://sim.mathematik.uni-halle.de/numdiff/Numdiff16/>

