



## Formula Student Academy

### Workshop

**“The fascination of adhesive bonding – High-tech solutions exposed to extreme conditions”**

**1<sup>st</sup> day: start at 10 a.m.**

**Topic areas: Adhesives and their applications in drive trains (IC engines and electric motors)**

- Fundamentals of adhesive technology: Adhesion, cohesion, adhesives selection, cleaning
- Bolted connections
- Large area sealing with acrylate sealings and silicones
- Shaft to hub connections using anaerobic adhesives and epoxy resins
- Testing of adhesive bondings
- “Best Use of Adhesives Award” requirements
- Evening meal

**2<sup>nd</sup> Day: start at 8.30 a.m.**

**Topic areas: Adhesives and their application in the chassis:**

- Structural adhesives bondings using epoxy resins, acrylate adhesives and polyurethane
- Bondings with flexible adhesives based on MS polymer and polyurethane
- Adhesives and tool kit for rapid repair (emergency repair)
  
- Mould separating agent to produce fibre composite parts

Both days comprise theoretical information and practical exercises to enable participants to handle and process adhesives correctly.

***Please note: this workshop will be held in German***