IRTG 2078: Integrated Engineering of Continuous-Discontinuous Long Fiber Reinforced Polymer Structures

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Terminology, Core Idea, Challenges

- **Terminology**
  - CoFRP: Continuous Fiber Reinforced Polymer
  - CoDiCoFRP: Discontinuous Fiber Reinforced Polymer with Continuous Fiber Reinforcement
  - DiCoFRP: Discontinuous Fiber Reinforced Polymer

- **Core idea**: Fully integrated engineering of CoDiCoFRP by combining the real process with the virtual one in an integrated framework

- **Challenges**: control of virtual and real process
Research Team and Participating Institutions

**KIT team:** “Integrated engineering of CoDiCoFRP”
14 fully funded and 4 assoc. doctoral researchers, 1 PostDoc, 1 assoc. PostDoc, 14 PIs

**ICRC team:** “Advanced Polymer Composite Materials and Technologies”
15 PhDs and 7 Master students, 17 PIs

**Cooperation partners:**

**Network:** Young Investigator Group “Green Mobility” (Leader: Dr.-Ing. Luise Kärger)

**Numbers:** 04/15 – 09/19: 6 Mio€, 10/19 – 03/24: 7 Mio€, 04/21: start of 3rd PhD gen.

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Integrated Engineering of CoDiCoFRP
Highlights of Previous Research Work

IRTG book


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