

# Software Engineering Design & Construction

Dr. Michael Eichberg  
Fachgebiet Softwaretechnik  
Technische Universität Darmstadt

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Class Design Principles

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# Class Design Principles

- ... state desired properties of class designs.
- ... are heuristics.
- ... help making a class design usable for client classes.

# The S.O.L.I.D. Principles

- **S**ingle Responsibility Principle (**SRP**)
- **O**pen-closed Principle (**OCP**)
- **L**iskov Substitution Principle (**LSP**)
- **I**nterface Segregation Principle (**ISP**)
- **D**ependency Inversion Principle (**DIP**)

Class Design Principles  
aim for code we can  
efficiently work on!