## TECHNISCHE UNIVERSITÄT DRESDEN

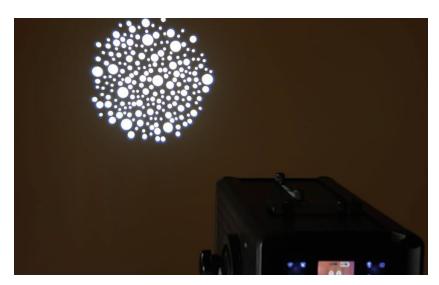
# FAKULTÄT ELEKTROTECHNIK UND INFORMATIONSTECHNIK

## 3D printing task

Topic: "Gobo-Projector"

#### Goal:

The goal is to design a so-called Gobo-Projector that can transform the beam of a simple light source (LED or Laser) into a complex pattern. Such structures can be printed with different resolutions and sizes using transparent 3D-Printing methods. In addition, a simple light source and package should be designed.



### The following sub tasks will be due:

- Research on Gobo-Projectors and their design
- Defining the functionality and physical requirements of gobo-pattern and package
- Creating a 3D model using CAD software (Autodesk Inventor, Blender, SolidWorks, ...)
- Selecting appropriate 3D printing methods and materials
- Printing and testing different gobo-patterns

Responsible

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