

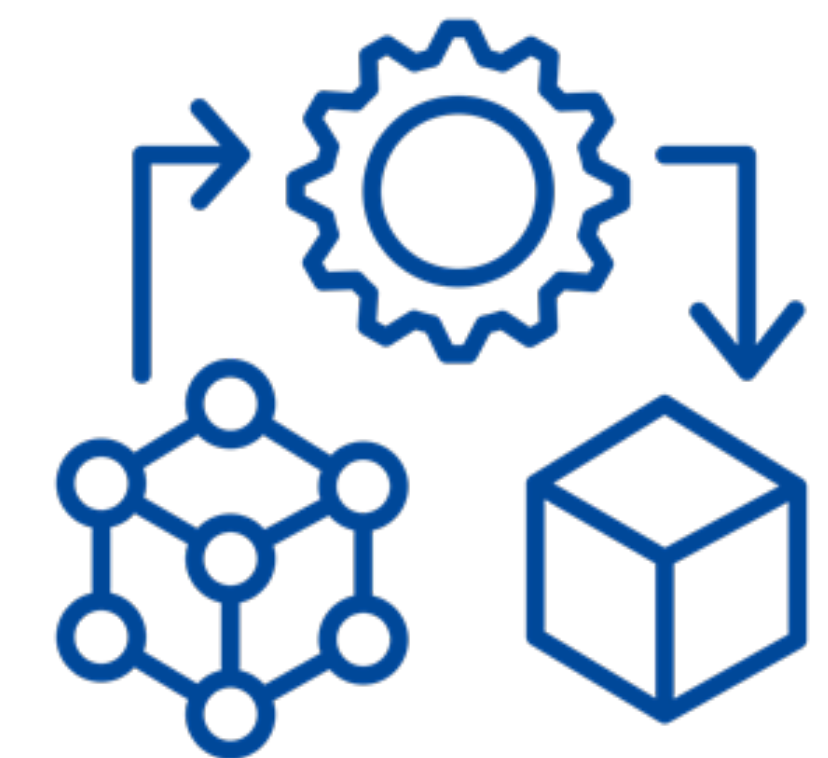
PROJEKT: SYSTEM MODELLING AND PROTOTYPING

Criticality Based Planning of Prototyping Sequences

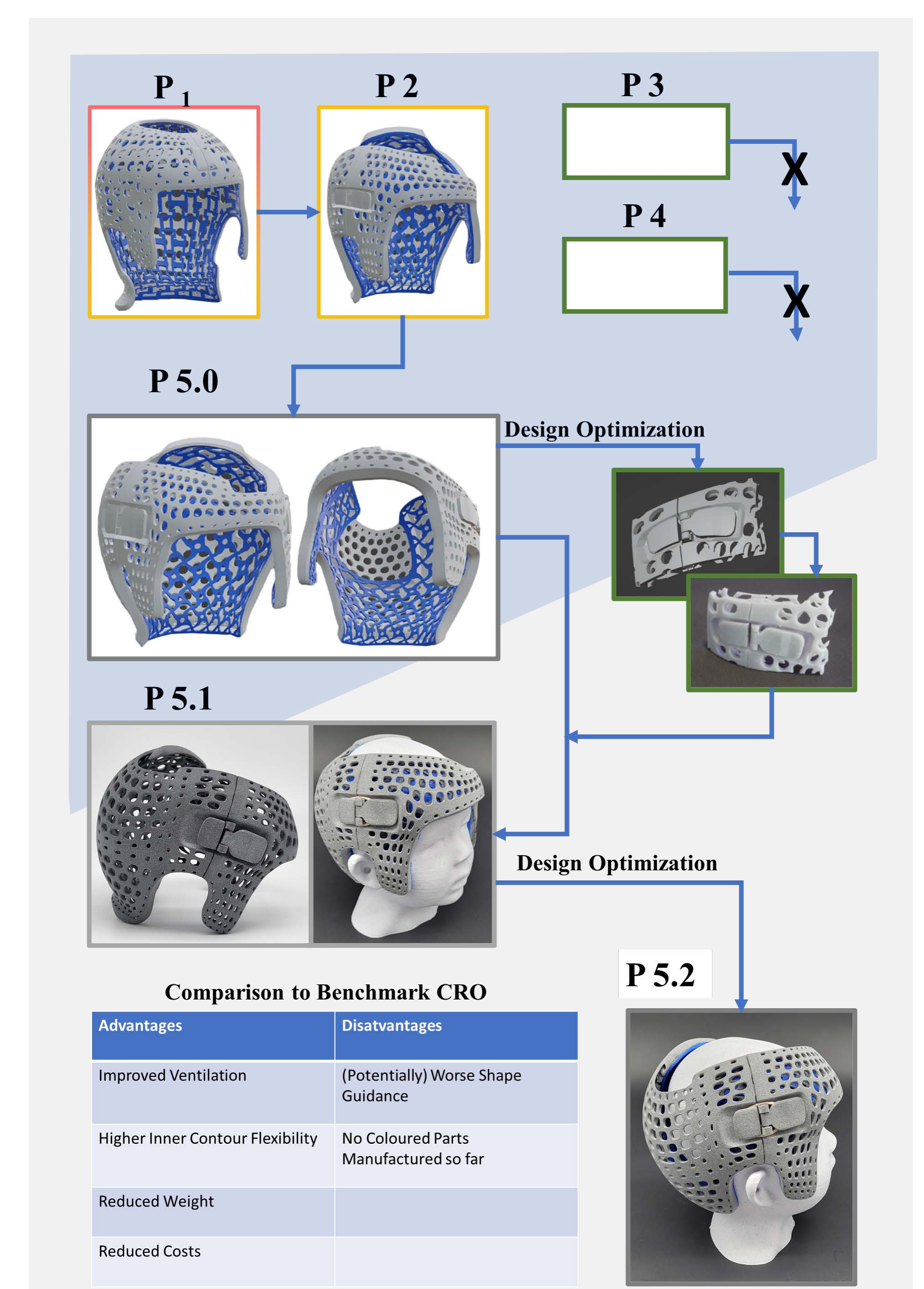
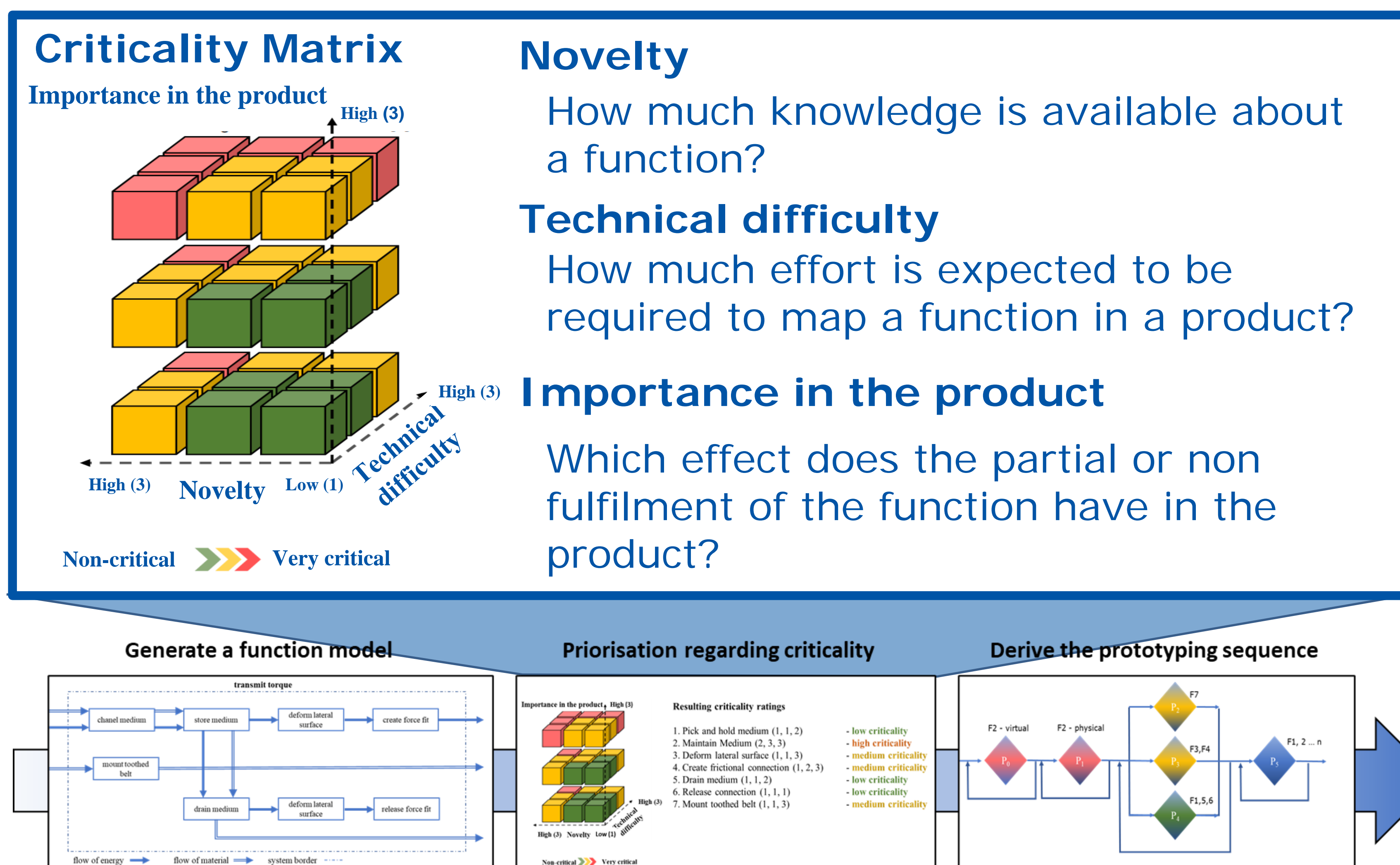
Dr.-Ing. Stefan Zorn, Prof. Dr.-Ing. Kilian Gericke
Universität Rostock, Lehrstuhl für Produktentwicklung

Motivation

- Prototyping plays a pivotal role in the journey from concept to market
- Means for communicating, evaluating and refining ideas
- Prototyping effort must be minimised to enhance speed and increase its use
- Requires careful planning of prototyping activities.



Procedure



Benefit

Criticality based Sequence Planning aims to quickly increase the level of maturity and minimize prototyping effort and therefore the time to market by

- Consideration of most critical functional areas first
- Less critical functional areas can be merged for prototypes
- Information gain can thus be accelerated

Figure 1 :Example of a realised prototyping sequence for a Cranial Remolding Orthoses for infants