

Design-Configurator for Patient Specific, Lattice-Based Bone Implants



Motivation and Relevance

- Bio-resorbable implants optimally adapted to the patient specific bone defect and designed for the individual requirements have the potential to positively influence the healing process, preserve more bone material and reduce the number of follow-up surgery

Approach

- Development of a Design Configurator for patient specific, lattice-based implants
- Consideration of several customizable critical size defect scenarios

Results

- Generation of patient specific, lattice-based implants within minutes
- Application of individual lattice settings according to the patients' physical conditions

Research Area

- Medical Technology, Patient Specific Implants, Design Automation

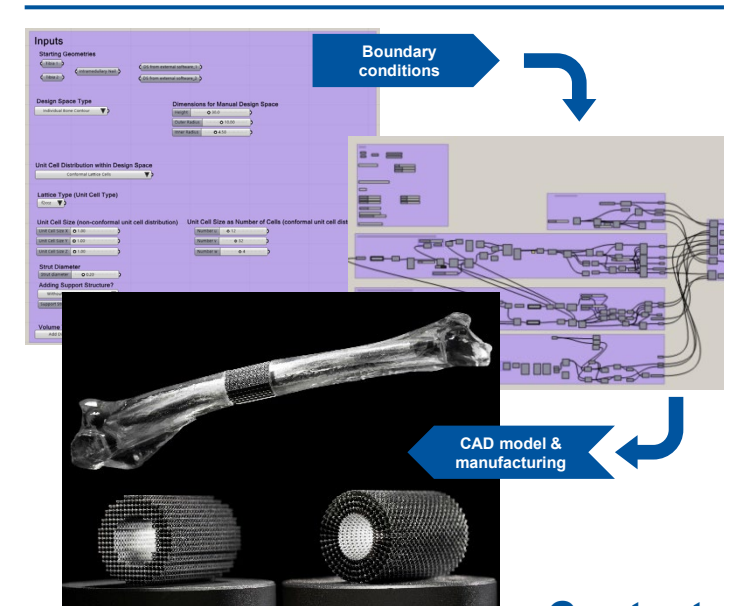
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Picture



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