

## **SCHEDULE**

### **12.10.2017 Introduction lecture**

**Prof. Maik Gude** Institute of Lightweight Engineering and Polymer Technology

**Prof. Christoph Neinhuis** Institute of Botany

### **19.10. Optimization and problem solving by evolutionary strategies**

**Prof. Michael Herdy** INPRO Innovationsgesellschaft für fortgeschrittene Produktionssysteme in der Fahrzeugindustrie mbH

### **26.10. Structure and function of the skeleto-muscular system of arthropods**

**Dr. Klaus Klass** Senckenberg Naturhistorische Sammlungen Dresden

### **02.11. Insect skeletons**

**Prof. Bernard Moussian** Institute of Zoology

### **09.11. Biomimetic surfaces**

**Prof. Christoph Neinhuis** Institute of Botany

**Prof. Carsten Werner** Institute of Biofunctional Polymer Materials within the Max Bergmann Center of Biomaterials

### **16.11. Fibre structures - fibre reinforced plastics**

**Prof. Maik Gude** Institute of Lightweight engineering and Polymer Technology

**Prof. Peer Haller** Chair of Timber Engineering and Construction Design

### **23.11. Biomimetic design principles**

**Prof. Noennig** Laboratory of Knowledge Architecture

**30.11. Decoding Encoding**

**Prof. Lordick** Institute of Geometry

**07.12. Structure forming by growth**

**Prof. Lordick** Institute of Geometry

**14.12. to be announced**

**Prof. Maik Gude** Institute of Lightweight Engineering and Polymer Technology

**Prof. Christoph Neinhuis** Institute of Botany

**04.01.2018 to be announced**

**Prof. Maik Gude** Institute of Lightweight Engineering and Polymer Technology

**Dr. Sennewald** Institute of Textile Machinery and High Performance Material Technology

**11.01. to be announced**

**Prof. Maik Gude** Institute of Lightweight Engineering and Polymer Technology

**Prof. Christoph Neinhuis** Institute of Botany

**18.01. DNA-Origami**

**Prof. Michael Mertig** Physical Chemistry, Measurement and Sensor Technology

**25.01. Panel discussion**

**01.02. Exam preparation**