Module name	**Visual computing Teamproject**
Module number	CMS-TRK-TEA-VC
Senior Lecturer	Prof. Dr. Stefan Gumhold stefan.gumhold@tu-dresden.de
Qualification objectives	Students are able to work on a complex research-related project. Students are able to solve a larger, typically interdisciplinary, challenge in the field of visual computing within a group. Students are proficient in literature research and the use of scientific information sources, and have in-depth expertise as well as extensive methodological and interpersonal skills in project management and teamwork.
Contents	The module will cover concepts and methods of digital representation and processing of visual data, including multidisciplinary aspects of modelling, analysis and visualisation, as well as priorities from current projects in the research environment of professorship and from application-oriented issues of visual data processing.
Forms of teaching and learning	The module includes 8 SWS projects and self-study. The language of the projects will be English.
Eligibility for participation	No knowledge is required.
Usability	The module is a mandatory module in Track Visual Computing in the Masters Course Computational Modeling and Simulation. The module provides the pre-requisites for the modules it designates under the pre-requisites for participation.
Conditions for the award of credits	Credits are awarded when the module test is passed. The module test consists of a complex performance of 80 hours. The language of the test will be English.
Credits and marks	The module allows for the award of 10 credit points. The module score corresponds to the test performance score.
Frequency of the module	The module is offered every summer semester.
Workload	The total workload is 300 hours.
Duration of the module	The module covers 1 semester.