Module name	**Interactive Multimedia Information Retrieval**
Module number	CMS-TRK-IMIR
Senior Lecturer	Dr Annett Mitschick annett.mitschick@tu-dresden.de
Qualification objectives	Students have ready-to-use knowledge in the field of interactive retrieval and content-based exploration of multimedia data and documents. They are familiar with the main methods and techniques of implementing demand-driven and user-friendly search interfaces and are able to assess specific interactive information retrieval systems and develop their own concepts.
Contents	The content of the module is the basis of Retrieval information, methods and techniques for content-based searches in multimedia data, in particular audio-visual data, and principles for the extraction of characteristics and metadata. Other content is the basis for designing search interfaces tailored to demand and use, taking into account findings from the Information Seeking Behaviour department.
Forms of teaching and learning	The module includes lectures of 2 SWS, exercises of 2 SWS and self-study. The teaching language of lectures and exercises may be German or English and will be specifically determined by the teacher at the beginning of each semester and announced in the usual manner.
Eligibility for participation	Knowledge of human-computer interaction is required. The following literature is suitable for preparation: 1. Interaction design: Beyond Human Computer Interaction, 6th Edition. Yvonne Rogers, Helen Sharp, Jennifer Preece. John Willey Sons, 2023. ISBN: 978-1-119-90109-9, 2. Human Computer Interaction, 3 rd edition. Alan Dix, Janet Finlay, Gregory D. Abowd, Russel Beale. Pearson Prentice Hall, 2002. ISBN: 978-0-13-046109-4.
Usability	In the Masters Course Computational Modeling and Simulation, the module is a compulsory optional module in Track Visual Computing and in Track Computational Life Science, to be selected in accordance with Annex 2 to the Specific Examination Regulations. The module cannot be chosen in the Master's Course Computational Modeling and Simulation if this or a module with substantially the same content from a Course with which the entry conditions under § 3 of the Studienordnung have been met has already been completed. 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 90-minute away day. The language of the test will be English.

Credits and marks	The module allows 5 credit points to be obtained. 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 150 hours.
Duration of the module	The module covers 1 semester.