



March 17–18, 2027 Karlsruhe/Germany
8th international conference

Optical Characterization of Materials



Event Information



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Conference

Each material has its own specific spectral signature whether it is food, plastics, or minerals. At the OCM conference, new trends and developments in material characterization are discussed, along with recent advances in identifying spectral footprints and their industrial applications.

The OCM conference is organized by the Karlsruhe Center for Spectral Signatures of Materials (KCM) in cooperation with the German Chapter of the Instrumentation & Measurement Society of IEEE.

KCM is an association of institutes of the Karlsruhe Institute of Technology (KIT) and the business unit Inspection and Optronics Systems of the Fraunhofer Institute of Optronics, System Technologies and Image Exploitation (Fraunhofer IOSB).



Location

Karlsruhe, located in the south-west of Germany near the French border, is known for its distinctive fan-shaped city layout and its proximity to the Black Forest. Combining a vibrant scientific community with an attractive cultural and leisure offering, it provides an excellent setting for conferences and networking.

The city is easily accessible by train, car and air via the international airports of Frankfurt, Stuttgart and Karlsruhe/Baden-Baden. Fraunhofer IOSB, the conference venue, is conveniently located within walking distance of Karlsruhe's city centre.

Conference topics

- Agriculture
- Food Inspection
- Recycling and Environment
- Spectral Applications
- Spectral Data Processing
- Spectral Sensors

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