



Elektrotechnisches Kolloquium

der Bergischen Universität Wuppertal

Die Fakultät für Elektrotechnik, Informationstechnik und Medientechnik lädt zur Teilnahme an folgender Vortragsveranstaltung mit anschließender Diskussion ein:

Es spricht

Dr. Hermes McGriff

Université Bourgogne Europe

über das Thema

Light Field Sensors: Capturing the Light Field in a Single Shot

Inhalt:

Beyond conventional RGB monocular cameras, there are a multitude of unconventional cameras that differ in terms of what part of the light field they capture and how they do so (e.g. infrared cameras, time-of-flight cameras, fish-eye cameras). Among these unconventional cameras, there is a sub-category that aims to capture the light field from different points of view simultaneously: the light-field sensors. Capturing a scene differently often means capturing different information about the scene. My thesis work focused on the spatio-temporal measurement capabilities of a rolling shutter plenoptic sensor. The presentation will introduce the basic principles of light field capture, the design of plenoptic cameras, and our research results.

T e r m i n:

02.02.2026, 09:00 Uhr

O r t:

Bergische Universität Wuppertal
Campus Freudenberg, Seminarraum FE 00.01