Prof. Peter Eisert

Faculty of Mathematics and Natural Sciences
Department of Computer Science
Visual Computing



Expertise
The chair of Visual Computing develops new methods for the analysis and synthesis of image and video data. This includes algorithms for estimating shape, material, motion and deformation from monocular and multi-view camera systems. Both in national and international collaborations, those algorithms are exploited in applications like multimedia, VR/AR, industry, medicine, and security.

Scientific Services
- Various cameras
- Multispectral sensors, 3D sensors
- Lighting and calibration systems

Testimonials
- Development of new methods for automatic inspection and damage classification of sewer networks with a water supply company
- Development of augmented reality systems for automobile production processes with a car manufacturer
- Analysis of multispectral imaging for tissue classification in collaboration with medical technology manufacturer

Topics / Trends
Health
Communication(s) Systems
Human-Technology-Interaction
Optics
Robotics & Artificial Intelligence
Software Development

Scientific Institution
Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI

Industries
Healthcare & Life Sciences
Information & Communication Technology
Optical Instruments & Precision Engineering

Mentor for Startup
Ludufactur GmbH
T-T-T 3000

https://de.linkedin.com/in/peter-eisert-a44a8b2

Humboldt-Innovation GmbH
Innovation Management

Eleonora Frühwirt
Transfer Manager
+49 30 2093 70769
eleonora.fruehwirt@humboldt-innovation.de

Jan Eggert
Innovation Manager
+49 30 2093 70764
jan.eggert@humboldt-innovation.de

HUMBOLDT INNOVATION
RESEARCH CREATING REALITY.