

Research Group Critical Information Infrastructures (cii)

Prof. Dr. Ali Sunyaev



» We study internet technologies—their design, their use, and their symbiosis with our society. «

<http://cii.aifb.kit.edu>



Research

- **Distributed Ledger Technology:** Blockchain Applications for Health Care, Development of Open Scientific Tools, Development of Auditing Procedures for Blockchain
- **Information Privacy:** Information Privacy in Consumer Information Systems, Benefits and Pitfalls of Data Protection, Value-Sensitive Information Systems Design
- **Cloud Computing:** Understanding IT-Certifications, Clarifying How to Perform Continuous Certification, Outsourcing Critical Infrastructures to the Cloud, Cloud Services in IoT Scenarios
- **Artificial Intelligence:** Assessing quality of AI applications, Trustworthy AI
- **Digital Health:** Design of Patient-Centered Apps, Security and Privacy in Genomic Cloud Computing, Gamification in Health Care

Teaching

- **Lectures:** Applied Informatics – Internet Computing, Critical Information Infrastructures Digital Health
- **Seminars, Labs, and Bachelor and Master Theses on Current Research Topics**

Funding Agencies and Industry Partners

