

Prof. Dr. Christoph P. Neumann

Professor for Big Data and Cloud Computing for AI

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Prof. Dr. Christoph Neumann's research field is big data and cloud computing for AI. His professorship is at the Department of Electrical Engineering, Media, and Computer Science at the technical university of applied sciences OTH Amberg-Weiden, Germany. In terms of publication output, he is one of the top 3 academics at OTH Amberg-Weiden. The core areas of his teaching field are: (1) Software engineering and data engineering for scalable, data-centric applications as well as (2) modern software architecture for production systems as cloud-based applications.

Prior to his professorship, he worked in industry for around 10 years and was intensively involved in the distributed management and processing of large amounts of data as well as cloud-based software architectures. He received a university teaching award for the best course, twice, from the Faculty of Engineering at Friedrich-Alexander-Universität (FAU) Erlangen-Nürnberg for a database and conceptual modelling course. His dissertation at FAU focused on distributed data management, system integration and process management. In addition to being awarded the top grade, the dissertation was honored by a nomination for the nation-wide GI Dissertation Award in 2012 by FAU.

Christoph has served as a reviewer for several national and international conferences, e. g., ACM KDD and German Gesellschaft Für Medizinische Informatik, Biometrie und Epidemiologie as well as IARIA Cloud Computing.

After contributing to several IARIA Cloud Computing conferences, Christoph is now a steering committee member for the special track “Cloud Computing: Security Challenges and Solutions” as well as a steering committee member for the first IoT-AI conference. At Cloud Computing 2024, Christoph gave a keynote speech entitled “Production Systems as Cloud-Based Applications”. In his presentation, he explained the development of cloud computing, including the importance of containers, Kubernetes and virtualization for the current state of the art. In addition, he gave younger participants tips on how they can achieve greater reach for their scientific publications. Over the next few years, Christoph plans to continue to participate in the Cloud Computing, IoT-AI, Data Analytics and Cyber conferences.

Christoph also created and maintains the \LaTeX packages IARIA (<https://ctan.org/pkg/iaria>) and IARIA-lite (<https://ctan.org/pkg/iaria-lite>), for simplified conformity to IARIA formatting rules and citation style.