



**Prof. Dr. Maximilian Moll** has held the Endowed Junior Professorship for *Operations Research – Prescriptive Analytics* at the University of the Bundeswehr Munich since 2021. His academic path began as early as 2006 in the university’s program for highly gifted students. After completing his secondary education, he studied Mathematics at the University of Cambridge and returned to the University of the Bundeswehr in 2016, where he received his PhD with highest distinction in 2018.

Prof. Moll’s research combines methods from **machine learning** with classical approaches from **operations research**. A central focus is on *reinforcement learning* to support complex decision-making processes. A particularly important application is *Prescriptive Analytics*, which extends beyond Predictive Analytics aiming not only to analyze information but also to derive concrete, data-driven recommendations for action.

A second research focus is **quantum machine learning**, where Prof. Moll explores how quantum algorithms can solve optimization and analysis problems more efficiently. In addition, his work investigates the application of **large language models (LLMs)** in *Open Source Intelligence (OSINT)* as well as data-driven decision support in security-related contexts. Maximilian Moll leads the working group “Simulation and Optimization of Complex Systems” of the German Society for Operations Research and is a fellow of the Bavarian alliance for peace, conflict and security research.