

**PERSONAL INFORMATION**

Name: Moll, Maximilian  
Nationality: German

**EDUCATION**

2018 Postgraduate Dr.rer.nat.  
*Universität der Bundeswehr München*  
Supervisor: Prof. Stefan Pickl  
2015 Undergraduate BA, MA, MMath Mathematics  
*University of Cambridge, UK*  
2007-2010 Undergraduate “programme for gifted children”  
*Universität der Bundeswehr München*

**ACADEMIC POSITIONS**

2021 – present Juniorprofessor for Prescriptive Analytics – Operations Research  
*Institut für Theoretische Informatik, Mathematik und Operations Research, Universität der Bundeswehr München, Germany*  
2021 – present Leader of the working group “Simulation and Optimization of Complex Systems”,  
*German OR Society*  
2019 - present Research Group Leader “Data-driven Aviation Management”  
*Munich Aerospace*  
2018 – 2021 Post-doctoral researcher  
*Institut für Theoretische Informatik, Mathematik und Operations Research, Universität der Bundeswehr München, Germany*

Maximilian Moll’s research focuses on reinforcement learning, one of the three areas in machine learning. Here, his particular interest is on combinations with classical methods of operations research as well as application opportunities to prescriptive analytics. The latter pushes past predictive analytics, in the sense that it not only tries to predict the future, but tries to suggest optimal actions to be taken in the present.

**HIGHLIGHTED PUBLICATIONS**

**Moll, M.**, & Kunczik, L. (2019). Two Perspectives on Playing Games: Reinforcement Learning vs Game Theory. In *Proceedings on the International Conference on Artificial Intelligence (ICAI)* (pp. 60-61).

**Moll, M.** (2019). A competitive Analysis of a Smart Optimization Framework. *37th International Conference of the System Dynamics Society*

**Moll, M.** (2019). Analyzing a framework for extended policy optimization in System Dynamics Models. *Modeling Supply Chains and Industrial Dynamics: in Selected Papers on System Dynamics*

**Moll, M.**, & Kunczik, L. (2021). Comparing quantum hybrid reinforcement learning to classical methods. *Human-Intelligent Systems Integration*, 3(1), 15-23

Germania, 28 marzo 2022

Maximilian MOLL