Dr. rer. nat. Christina Ertural

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R^G Christina-Ertural

Born 30 January 1992 in Zavety Ilyicha, Russia
Nationality: German

CAREER

September 2022 – present

Postdoctoral Researcher

BAM Federal Institute for Materials Research and Testing in Germany
(Materials chemistry, Junior group George)
- Field of research: Chemical Bonding in Solid State (Functional) Materials
- Python workflow software development

ACADEMIC EDUCATION

December 2017 – July 2022

Doctoral degree in Chemistry

Chair of Solid-State and Quantum Chemistry, Institute of Inorganic Chemistry,
RWTH Aachen University (Research group Dronskowski)
- Grade: 1.0 (magna cum laude)
- Doctoral thesis: "On the electronic structure of solid-state functional materials and their characterization using local bonding indicators" (German)
- LOBSTER software development (cohp.de)

2015 – 2017

Master's degree in Chemistry

Department of Chemistry, RWTH Aachen University
- Grade: 1.4
- Master thesis: "Quantum Monte Carlo-based Full Wave Function Optimization for Transition Metal Compounds" (English)
  Institute of Physical Chemistry

2011 – 2017

Bachelor's degree in Chemistry

Department of Chemistry, RWTH Aachen University
- Grade: 2.7
- Bachelor thesis: "Optimization of the Reaction Conditions for the Synthesis of Poly-Diacetylene Stabilized Gold Nanoparticles" (German)
  Institute of Inorganic Chemistry

LANGUAGES

German (native), English (fluent, B2)

FURTHER EXPERIENCE

Programming knowledge   C++, Python, bash, gnuplot

Workshop lecturer
- LOBSTER Summer School – "Explicit Chemical-Bonding Analysis of Materials from High-Performance First-Principles Simulations" (2018 – 2020)