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Dr. Roland Müller-Jena

Patent Attorney Trainee

Ph.D. Corrosion and material science

Roland Müller-Jena is a patent attorney candidate at Maiwald with a focus on the protection of intellectual property in the fields of mechanical engineering, materials and surface technology as well as machine learning and artificial intelligence. His university studies focused on material and alloy development, carbon fibres and nanomaterials. While working on his doctoral thesis, he expanded on this knowledge by researching the intercrystalline corrosion of 6000 series aluminium alloys used in automotive housings. Using high-resolution (S)TEM imaging techniques, he was able to prove the existence of a previously unknown corrosion mechanism of 6000 aluminium alloys in strong dependence on the deformation and stress state. In addition to developing his technical expertise, he also carried out research on machine learning and programming.

CAREER

since 2024	Patent attorney trainee at Maiwald
2022 - 2024	Surface engineer, including development of multiple thermal coatings
2017 - 2021	Research assistant at the Chair of Corrosion and Corrosion Protection at RWTH Aachen University

EDUCATION

since 2024	Studies law for patent attorneys at the University of Hagen
2017 - 2021	Doctorate in the field of intercrystalline corrosion protection of Al-Mg-Si-Cu alloys at the Rheinisch-Westfälische Technische Hochschule Aachen
2016	Stint at the University of Technology in Sydney with a special focus on nanomaterials
2014 - 2017	Master's degree in Industrial Engineering specializing in Materials and Process Engineering with a particular focus on materials optimization at the Rheinisch-Westfälische Technische Hochschule Aachen
2011 - 2014	Bachelor's degree in Industrial Engineering specializing Materials and Process Engineering at the Rheinisch-Westfälische Technische Hochschule Aachen
2010 - 2013	Bachelor's degree program in Materials Engineering at the RWTH Aachen University

PRACTICE AREAS

- 无机材料&建材
- 电气工程&机械制造
- 移动交通&能源
- 测量&工艺流程技术
- 专利&实用新型

SERVICES

- Patent examination proceedings and portfolio management
- Application strategies and drafting of patent applications
- Opposition and nullity proceedings
- Freedom-to-operate- and validity opinions

RECOGNITIONS

- Dean's List award in the Master's degree program Industrial Engineering and Management specializing in Materials and Process Engineering
- Dean's List award in the Bachelor's degree program Industrial Engineering and Management specializing in Materials and Process Engineering
- Dean's List award in the Bachelor's degree program Materials Engineering
- GDCh Book Prize of the German Chemical Society
- DPG Book Prize of the German Physics Society

LANGUAGES

- German
- English
- Japanese
- Italian
- Latin