

Curriculum vitae

Ulrich Doll

Associate Professor

Department of Mechanical and Production Engineering (MPE), Aarhus University

Education

06/2014 – 08/2016: Ph.D. (Doctor of Engineering), **Technical University Dresden, Germany**

09/2000 – 11/2008: Diploma Engineering Science, **Technical University Berlin, Germany**

Professional Experience

Since 12/2025 **Associate Professor**, Department of Mechanical and Production Engineering, Fluids and Energy Section, **Aarhus University (AU), Denmark**

12/2023 – 11/2025 **Assistant Professor (Tenure Track)**, Department of Mechanical and Production Engineering, Fluids and Energy Section, **Aarhus University (AU), Denmark**

11/2021 – 10/2023 **Visiting Fellow**, Centre for Propulsion and Thermal Power Engineering, **Cranfield University, United Kingdom**

07/2020 – 10/2023 **Senior Scientist**, Department of Nuclear Energy and Safety, Experimental Thermal-Hydraulics Group, **Paul Scherrer Institute (PSI), Switzerland**

07/2017 – 06/2020 **Scientist**, Department of Energy and Environment, Thermal Processes and Combustion Laboratory, **Paul Scherrer Institute (PSI), Switzerland**

02/2009 – 06/2017 **Scientist**, Institute of Propulsion Technology, Engine Measurement Systems Group, **German Aerospace Center (DLR), Germany**

Awards

2017 **EU FP7 LEMCOTEC Award of Excellence** for First Application of filtered Rayleigh scattering to Lean Combustion, awarded by the LEMCOTEC consortium (coordinator Rolls Royce Germany, 38 participating organizations from academics and aerospace industry)

2009 **Dietrich Bechert Award** for excellent diploma theses

Research Projects (PI)

2026 – 2031 **Bridging the Turbulence Gap: Experimental and Computational Synergies for Unresolved Flow Regimes** *Awarding body: Villum Foundation. Length: 60 months.*

2025 – 2027 **Enabling Sustainable Marine Transport Through Improved Observation of Air Lubrication Flows** *Awarding body: Den Danske Maritime Fond. Length: 24 months.*

2026 **Improvement of Air Lubrication Technology by Advanced Sonar Observation** *Awarding body: Brødrene Hartmanns fond.*

2020 – 2023 **SINATRA – Seeding-free, non-intrusive aero-engine distortion measurements** *Awarding body: EU H2020 Clean Sky 2. Length: 36 months.*