

Dr. Stefan Ringe
Postdoctoral Research Scholar
Stanford University
443 Via Ortega
Stanford, CA 94305-4125, USA
1 650 498 1395
sringe@stanford.edu

Curriculum Vitae

Education

- 06/2013–05/2017 **Ph.D. in Computational Chemistry**, TECHNICAL UNIVERSITY MUNICH (Germany).
Prof. Dr. Karsten Reuter, “*Summa Cum Laude*” (“*With Highest Honor*”)
- 2010–03/2013 **B.Sc. & M.Sc. in Chemistry**, GEORG-AUGUST UNIVERSITY GÖTTINGEN (Germany).
Prof. Dr. Alec Wodtke, “*With Honors*”

Professional Experience

- 07/2017–present **Postdoctoral Research Scholar**, STANFORD UNIVERSITY (USA).
Prof. Dr. Jens Nørskov

Research Interests

- Electrocatalysis, electrochemical CO₂ reduction, surface catalysis, DFT
- Solid-liquid interfaces, continuum solvation, Poisson-Boltzmann theory
- Transport & microkinetic modeling, electrode charging phenomena

Publications

- Ringe, S., Oberhofer, H., Hille, C., Matera, S., Reuter, K., *J. Chem. Th. Comput.*, **12**, **2016**, 4052–4066.
- Ringe, S., Oberhofer, H., Reuter, K., *J. Chem. Phys.*, **146**, **2017**, 134103.

Awards

- 2016 **DAAD scholarship (Kongressreise)**, 67th Annual Meeting of the ISE, The Hague.
- 2013 **Award for Outstanding Graduation**, GEORG-AUGUST UNIVERSITY GÖTTINGEN (Germany), awarded by chemistry department.
- 2012 **Award for Outstanding Teaching**, GEORG-AUGUST UNIVERSITY GÖTTINGEN (Germany), awarded by students.
- 2010,2011,2012 **Scholarship of Lower Saxony**.
- 2010 **Otto Wallach Award**, GEORG-AUGUST UNIVERSITY GÖTTINGEN (Germany), best B.Sc. degree in chemistry.

2007 **GDCh Award**, HALEPAGHEN-GYMNASIUM BUXTEHUDE,
best graduation in chemistry.

Teaching Experience

2014–present **Research Supervision**, TECHNICAL UNIVERSITY MUNICH (Germany),
1 × B.Ed, 1 × M.Ed., 3 × M.Sc.

10/2013–
09/2016 **Tutor**, TECHNICAL UNIVERSITY MUNICH (Germany),
Mathematics, computational & theoretical chemistry, numerics.

04/2009–
03/2013 **Student Tutor**, GEORG-AUGUST UNIVERSITY GÖTTINGEN (Germany),
Mathematics, theoretical chemistry, thermodynamics and spectroscopy.

Further Scientific Contributions

2018– **Invited Talks**, *FHI-aims Developer & User Meeting*.

2014– **Contributed Talks**, *DPG-Frühjahrstagung, 251th ACS National Meeting & Exposition, 67th Annual & 22nd Topical Meeting of the ISE*.

1/2014 **Global Young Scientist Summit**, NATIONAL UNIVERSITY OF SINGAPORE (Singapore).

10/2011–
02/2012 **Research Stay**, STOCKHOLM UNIVERSITY (Sweden),
Synthesis of Oxygen-Evolution Catalysts, Prof. Dr. Åkermark.

Further Skills & Achievements

Languages German (native), English (fluent), Korean (basic)

Memberships Deutsche physikalische Gesellschaft (DPG, since 2013), Gesellschaft deutscher Chemiker (GDCh, since 2008)

Activities Music (guitar), sports (running, fitness), reading

09/2008 **Internship**, K+S research Institute of the K+S AG, Heringen (Germany).

07–08/2007 **Internship**, Environment and Trade Laboratory "Dr. Kaiser & Dr. Woldmann GmbH", Hamburg (Germany).

Technical Skills

2013– **IT Admin**, TECHNICAL UNIVERSITY MUNICH (Germany).

Software MS Office, Latex, Gimp, Inkscape, MATLAB, Mathematica, Paraview, COMSOL
Programming fortran90, python (scipy, ase, matplotlib, ...), bash (all advanced), c (basic)