

Prof. Dr. Stephan Andreas Schunk

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Curriculum Vitae

Personal Data

Name: Stephan Andreas Schunk
Date of Birth: 06.07.1968 in Frankfurt am Main
Nationality: German

Industrial Career

Background:

Current position as
Vice President – Executive Expert within BASF SE and hte GmbH
since January 2019. Reports directly to the President of the Division “Process
Research and Chemical Engineering”.

Research Fellow - R&D Project Manager Basic Chemicals within BASF SE and hte
GmbH March 2017 until January 2019.

Principal Scientist - R&D Project Manager Basic Chemicals within BASF SE and hte
GmbH December 2010 until March 2017.

Senior Scientist - R&D Project Manager Basic Chemicals within hte GmbH October
2003 until December 2010.

Member of the Board of Directors and Director “Catalysis Innovation”, within hte
Aktiengesellschaft September 1999 until October 2003.

Co-Founder of the company hte Aktiengesellschaft (founding date 1999).

Postdoc/Project Manager within BASF SE December 1998 until August 1999
Head of Group (supervisor): Dr. Ekkehard Schwab

Academic Career

Background:

University Leipzig

Professorship (Honorary Professor) for Digitalization in Catalysis and Materials Sciences at University Leipzig, Department of Technical Chemistry since October 2021

Johann Wolfgang Goethe-University Frankfurt

Dr. phil. nat., November 1998

Supervisor: Prof. Ferdi Schüth

Johannes Gutenberg-University Mainz

Diploma in Chemistry, supervisors Prof. Klaus Unger and Prof. Ferdi Schüth

Course of Studies in Chemistry, October 1988 - December 1994

Work in

Committees and

Associations:

Member of the Expert Commission of GECATS since 2014
(German Catalysis Society).

Member of the „Physical and Computational Sciences Directorate Advisory Committee” of Pacific Northwest National Laboratory since 2022
(<https://www.pnnl.gov/>).

Member of the Board of NFDI4cat since 2019, speaker of the Industrial Advisory Board of NFDI4Cat, core initiator of NFDI4cat in 2017
(<http://gecats.org/NFDI4Cat.html>).

Member of the Board of the Subdivision of the Gesellschaft Deutscher Chemiker (German Chemical Society)
“Solid State Chemistry and Materials Science” since 2018.

Member of the SwissCAT+ Advisory Board of ETH Zürich since 2022.

Member of ACS (American Chemical Society).

Member of DECHEMA (German Society of Technical Chemistry).

Member of the Gesellschaft Deutscher Chemiker (German Chemical Society).

**Experience in the Field
of Teaching:**

Lecture Series “Catalytic Partial Oxidation Reactions” (annual 2014 to 2016).

Lecture Series “Enhanced Experimentation: From Ideas and Concepts to Industrial Realization” lecture about modern digital, technical and management tools that are used today in industry to come from ideas and concepts to an industrial realization within a predictable timeframe and learning on how and where to apply these tools (annual since 2016).

Lecturer at the Catalysis Institutes of GeCatS:

Mitteldeutscher Katalyse Lehrverbund since 2013.

Katalyse Lehrverbund Süd-West since 2019.

Co-Editor and co-author of the „Key Topic Collection for Catalysis Teaching” of the German Catalysis Society.

Supervision and co-supervision of bachelor, master and PhD students and Post-doctoral students during practical internships and during the execution of their bachelor, master and PhD thesis at BASF and hte GmbH.

**Other Activities
related to Science
and Technology:**

Reference-synthetic work for the International Zeolite Association in the years 1996 to 1999.

Personal Awards

and Scholarships:

EFCATS (European Association of Catalysis Societies) Applied Catalysis Award 2023.

BASF-internal award of the department “Process Research and Engineering” for the definition of an internal Innovation Program 2014.

Best Oral Presentation Award, 5th WCOC 2005.

Science Price of the "Stifterverbandes für die Deutsche Wissenschaft" 2001.

Jochen-Block-Price of the Section of Catalysis of the DECHEMA 2000.

Financial Support of the PhD work by the Hermann Willkomm-Foundation 1997.

Poster award of the German Zeolite-Conference 1996.

Scholarship of the "Studienstiftung des Deutschen Volkes" from 1988 until 1990.

Nominations

and Awards for hte:

Nomination of hte Aktiengesellschaft for the “Innovation Award of German Economy”
2012/2013.

Winner of the “Step Award 2011” for innovative and growth-oriented Enterprises.

Nomination of hte Aktiengesellschaft for “German Future Price 2010”.

Nominations

and Awards for BASF

and other Parties

Resulting from

Major Contributions:

Best Process Innovation Award for Linde’s DryRef Process and BASF’s Synspire Catalyst 2019.