



MICHAEL REINKE

Tech-Enthusiast, Physicist, Art Instructor

PhD in Materials Science

2016, Ecole Polytechnique Fédérale de Lausanne, Switzerland

Graduated Physicist / Diplomphysiker

2011, University of Hamburg, Germany

Core Competencies

Project management, intercultural communication, thin film deposition techniques, industrial up-scaling

Way of Working

Solution-oriented, structured, Getting-Things-Done Mindset

Ask me about

Bob Ross landscape painting, photography, running

Ask me in

German	(my mother tongue)
English	(my working language)
French	(in case you want to make it a bit more challenging)
Romanian	(if you would like to test how well I understand my wife)

PROFESSIONAL

Head of Operations

Münster, Germany
Since 09/2019

BASF Coatings GmbH

New Business Development, Functional Films - Novaga

- build up a new production site for functionalization of PET substrate using thin film deposition technology
- hold operating responsibility of the production site "Functional Films - Novaga" on the BASF Coatings site in Münster-Hiltrup, Germany
- project lead with 30 active members - of those 10 in direct reporting line
- total volume of invest 15 Mio€

Engineering & Project Manager

Basel, Switzerland
01/2016 - 09/2019

BASF Schweiz AG

New Business Development

- project lead for industrial scale-up of a novel, world wide unique technology for functionalization of foils in a roll-2-roll process
- product and technology development in a company internal startup

Doctoral Assistant

Thun, Switzerland
11/2011 - 12/2015

Swiss National Laboratories for Materials Science & Technology, Empa

Laboratory for Advanced Material Processing

- development of a CMOS compatible thin film deposition process for electro-optical materials on Silicon
- investigation of surface kinetics in chemical gas phase deposition processes (CVD and ALD) in a prototype high vacuum CVD reactor.

Junior Researcher

Hamburg, Germany
06/2010 - 10/2011

University of Hamburg

Laboratory for Femtosecond X-ray physics

- concept and realization of a source for ultrashort soft X-ray laser pulses

IT Consultant & Docent

Kiel, Germany
09/2005 - 10/2011

Brücke SH gGmbH,

- IT administration and organization for ~100 employees on different sites (setting up the network architecture, purchasing, installing and repairing servers and workstations)
- realization of personalized software solutions to increase work efficiency
- teaching Windows, Word, Excel und usage of the internet

Web developer

Wilster, Germany
01/2002 - 12/2011

Self-employed

- front- and backend development of web projects using HTML, JavaScript, PHP, MySQL
- project acquisition and support

COMPETENCIES

Organization

Project Management

- project management and execution of complex interdisciplinary projects in international environments
- conceptualization and execution of industrial scaling-up processes (planning, selection of partners, technological and organizational de-risking, validation)

Technology

Deposition Technologies

- thin film: ALD, CVD, sputtering, silanization, slot-die coating
- surface treatments
- photolithography and microfabrication
- Etching processes (wet and dry)

Analysis

- thin film: SEM, TEM, EDX, XRD, XPS, AES, FTIR
- permeation measurements
- ellipsometry

Environments

- cleanroom iso class 5
- production and laboratory experiments in chemical industry

Teaching

Activities around transferring knowledge

- 5 years training for Word, Excel, Windows (audience: adolescents / adults in phyco-social rehabilitation as preparation for re-entering working life)
- 4 years lecture assistance "Surface Chemistry (audience: bachelor level microengineering undergraduates)
- 2 year lecture assistance „Analysis I“, „Analysis II“, and „Higher Analysis“ (audience: bachelor level mathematics undergraduates)

Science

Publications, Presentations, Honors during PhD studies

- 11 publications in peer reviewed journals, of those 9 as principal author
- Presentations (oral and poster) during international conferences, 4 honorations as best scientific contribution

IT

Knowledge around software and IT

- Very versatile in web programming (PHP, MySQL, JavaScript, HTML); both back-end and front-end
- Very experiences in Microsoft Windows und Office products
- Experiences in CAD, Mathematica, Origin, Linux