

# Curriculum



**Dr. Heike Hauschildt**  
Senior Odour Engineer and  
Approved Auditor

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**Professional  
Experience**  
since 2006  
750+ Studies

## Education

PhD & Diploma in  
Meteorology at Kiel  
University (Christian-  
Albrechts-Universität).

## Senior Odour Engineer

Heike is one of the Olfasense experts specialised in dispersion modeling as well as weather sensor & data services. She is also the Head of Environmental Services at Olfasense GmbH and has completed various international environmental projects in various industry sectors. Since 2019, Heike is approved auditor of the German accreditation body DAkkS for odour sampling, measurement and modelling.

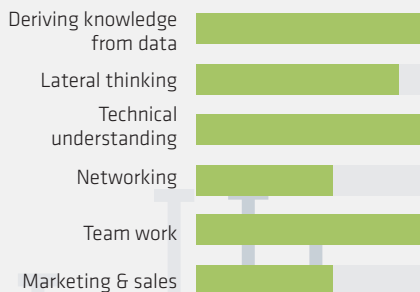
## Key Areas of Expertise

- Atmospheric dispersion modelling
- Meteorological data interpretation for dispersion modelling
- Design of measurement plans for meteorological data
- Meteorological modelling, model physics
- Field assessments for odour impact investigation: EN 16841
- Audit of odourous emissions plants
- Audit of odour control systems
- Identification of key elements in a design project of odour treatment
- Quantification and qualification of odorous compounds (chemical compound and odour level)
- Odour control plans
- Provision of advice regarding odour control and abatement techniques and evaluation of performance
- International environmental projects

## Reference Clients

- SEF Frankfurt am Main
- Tholander Ablufttechnik
- SWN Neumünster GmbH
- AWT Tritttau GmbH
- Fritz Winter Eisengießerei GmbH & Co KG
- Infraser GmbH & Co. Höchst KG
- Juwi Bio GmbH
- Ministry of Environmental Protection, Water Distribution & Trade Control of Rhineland-Palatinate
- Hessian Agency for the Environment and Geology
- Ferrero
- Peter Kölln GmbH & Co. KG

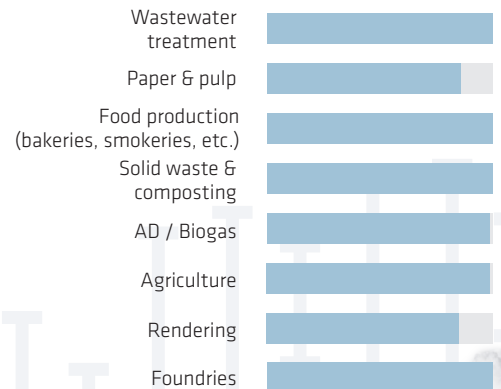
## Key Skills



## Languages



## Key Industries



## Conferences & publications

### Annual participation since 2017

VdG (Verband der Gießereien): Lecturer – Odour emissions and odour impact

### Annual participation since 2012

- BEW (Bildungszentrum für die Ver- und Entsorgungswirtschaft): Lecturer – Odour impact measurements
- LLUR Schleswig Holstein training of trainees, topic: Determination and evaluation of odours

### 2021 - VDI Gerüche in der Umwelt

- Consideration of the reliability of the results of a grid measurement based on the sample of 104 appointments within one year; Authors: J. Güntzel, B. Mannebeck, H. Hauschildt
- Messungen an Flächenquellen; Teil 1: Vergleichsmessungen unterschiedlicher Probenahmestrategien bei Messungen an Biofiltern; Teil 2: Einfluss des Volumenstroms auf die Geruchsemission bei Messungen an passiven Flächenquellen; Authors: IK Harms, B. Mannebeck, H. Hauschildt

### 2019 -Gerüche in der Umwelt

- Einführung eines neuen Olfaktometergerätetyps im Geruchs-Messlabor (Vortrag) Autoren: H. Hauschildt, B. Mannebeck, P. Hollingsworth
- Fallbeispiel der Entwicklung der anzuwendenden Grenzwerte im Rahmen der Genehmigungssituation einer Meierei von Planung der Anlage bis zur Überwachung im Regelbetrieb (Autoren: B. Mannebeck, H. Hauschildt)
- Qualitätssicherung im Prüfertraining für geruchliche Charakterbestimmungen im Rahmen von Rasterbegehungen sowie für den Nachweis anlagenspezifischer Gerüche, Autoren: T. Sommer, B. Mannebeck, H. Hauschildt

### 2017

- IFU Seminar: „Ortelium - Innovatives Umweltmonitoring am Beispiel Geruch“ (Authors: Grams, H.; Gierden, E.; Tenhaken, P.; Hauschildt, H.)

### 2016

- Co-Author Handbook of Odor, Springer Verlag, „Assessment of Environmental Odor Impacts“
- Nose Conference 2016, „Determination of chemical substances in indoor air as cause of discomfort and annoyance - sampling strategy and combined chemical and olfactometrical analyses “ (Autoren: Hauschildt H., Grams H., Gierden E., Tenhaken P., van den Burg A.S.
- Gefahrstoffe - Reinhaltung der Luft - „Messungen in geruchsbelasteten Räumen zur Ermittlung der stofflichen Ursachen von Gerüchen – Folgeprojekt“ (Authors: Grams, H.; Gierden, E.; Tenhaken, P.; Hauschildt, H.)
- ReSource - „Dem Geruch auf der Spur“ (Authors: Mannebeck B.; Hauschildt, H.)
- Immissionsschutz, Band 5 - „Messung, Analyse und Beurteilung von Umweltgerüchen“ (Authors: Mannebeck B.; Hauschildt, H.)

### 2015

- Berliner Immissionsschutzkonferenz, „Messung, Analyse und Beurteilung von Umweltgerüchen“
- VDI - Theory and Practice of Odour Impact at Frankfurt Airport (Authors: Dipl.-Met. B. Schreiber, Fraport AG, Frankfurt a.M.; Dr. Dipl.-Met. H. Hauschildt, Olfasense GmbH, Kiel)

### 2014

- Austal-log Seminar, Veranstalter Kamen und Flintbek

### 2013

- BLUR (Bildungszentrum für Natur, Umwelt und ländliche Räume des Landes Schleswig Holstein): Odour emissions and immissions – measurement 2013
- VDI – case studies of immission situations - multi source emittance

### 2012

- IFU Seminar: Odourmap - Webbased monitoring of odour impact



## Current memberships & committees

VDI - Verein Deutscher Ingenieure

- Convenor of working group VDI 3788 - Backward modelling of odour emission from plume inspections
- Member of working group "Air Quality"
- Member of scientific committee of the conference "Odours in Environment"
- Member of working group VDI 3783 Part 13 Environmental meteorology - Quality control concerning air quality forecast - Plant-related pollution control - Dispersion calculation according to TA Luft

DMG - Deutsche Meteorologische Gesellschaft

Board member of the German Meteorological Society, Regional Group "North Germany"

DAkkS - Deutsche Akkreditierungsstelle

since 2019 auditor for odour emission and impact measurements, olfactometry and modelling according to TA Luft

