



Prof. Dr. Ulrich Platt, born on 27.07.1949 in *Eberbach* -
Institute for Environmental Physics/University of Heidelberg
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Fields of Interest:

Environmental Physics, Experimental Physics,
Atmosphere, Radiation

Curriculum Vitae Prof. Dr. Ulrich Platt

1974	Diploma in Physics at the University of Heidelberg
1977	Promotion (Dr. rer. nat.) at the University of Heidelberg on: "Mikrometeorologische Bestimmung der SO ₂ -Abscheidung im Boden."
1977	Scientist at the Institute for Atmospheric Chemistry of the Nuclear Research Centre Jülich (today: Forschungszentrum Jülich, KFA).
1980	Visiting scientist at the "Statewide Air Pollution Research Center (SAPRC)", University of California/Riverside. Application of the DOAS principle at Riverside.
1981- 1982	Visiting scientist at the SAPRC, University of California, Riverside. Field and laboratory measurements. Research on nitrate-radicals and smog chemistry.
1984	Habilitation in Geophysics at the University of Cologne, on: "Neue Erkenntnisse zur Chemie der Stickoxide in der Atmosphäre".
1989	Chair (Ordinarius) at the University of Heidelberg in experimental physics.
1990- today	Director at the Institute for Environmental Physics of the University of Heidelberg.

Scientific distinctions, awards, memberships:

- Director at the Institute for Environmental Physics of the University of Heidelberg., (ca. 120 employees) since 1990.
- External scientific member of the Max-Planck-Society (MPG)
- Member of IGAC (International Global Atmospheric Chemistry) Scientific Steering Committee (SSC) (2001-2006)
- Member of SOLAS (Surface Ocean and Lower Atmosphere Studies) Scientific Steering Committee. (2002-2007)

- Member of GOME (Global Ozone Monitoring Experiment on the ESA satellite ERS-2) Science Advisory Committee.
- Member of the SCIAMACHY (SCanning Imaging Absorption spectrometer for Atmospheric CHartographY on ESA satellite ENVISAT) Science Advisory Committee.
- Visiting professor at the Gwangju Institute of Science and Technology (GIST), Gwangju, Korea
- Member of OMI (Ozone Monitoring Instrument) for the NASA EOS AURA mission Science Team.
- Member of the Nutzerbeirat for the „High Altitude and Long Range Aircraft“ (HALO)
- Member of the DPG (Deutsche Physikalische Gesellschaft), vice speaker of the section 'Environmental Physics' ('Umweltphysik').
- Member of the Academia Europea, section EARTH & COSMIC SCIENCES. Co-Editor of the Springer-Series "Environmental Physics and Space Environment"

Selected publications

(from more than 200 in the reviewed literature):

- Platt U., Perner H., Harris G.W., Winer A.M., and Pitts J.N. (1980), Observations of nitrous acid in an urban atmosphere by differential optical absorption, *Nature* 285, 312-314.
- Platt U., Rateike M., Junkermann W., Rudolph J., and Ehhalt D.H. (1988), New tropospheric OH measurements, *J. Geophys. Res.* 93, 5159-5166.
- Platt U., LeBras G., Poulet G., Burrows J.P., and Moortgat G. (1990), Peroxy radicals from night-time reaction of NO₃ with organic compounds, *Nature* 348, 147-149.
- Wagner T. and Platt U. (1998), Observation of Tropospheric BrO from the GOME Satellite, *Nature* 395, 486-490.
- Alicke B., Hebestreit K., Stutz J., and Platt U. (1999), Detection of Iodine Oxide by DOAS in the Marine Boundary Layer, *Nature* 397, 572-573.
- Hebestreit K., Stutz J., Rosen D., Matveev V, Peleg M., Luria M., and Platt U. (1999), First DOAS Measurements of Tropospheric BrO in Mid Latitudes, *Science*, 283, 55-57.
- Bobrowski N., Hönninger G., Galle B. and Platt U. (2003), Detection of Bromine Monoxide in a Volcanic Plume, *Nature* 423, 15 May, 273-276.
- Platt U. Allan W. and Lowe D. (2004), Hemispheric Average Cl Atom Concentration from ¹³C/¹²C Ratios in Atmospheric Methane, *Atmos. Chem. Phys.* 4, 2393–2399.

- Bobrowski N. and Platt U. (2007), Bromine Monoxide Studies in Volcanic Plumes, *J. Volcanology and Geothermal Res.* 166, 147-160.
- Platt U. and Stutz J. (2008), *Differential Optical Absorption spectroscopy, Principles and Applications*, Springer, XV, 597 p. 272 illus., 29 in color. (Physics of Earth and Space Environments), ISBN 978-3-540-21193-8.