

## Publications about **Chemical Vapour Deposition (CVD)**

**CVD Coatings for Cutting Tools**

B.Lux, R.Haubner  
6<sup>th</sup> Euro CVD Conf., Jerusalem 51-57 (1987)

**Zur Herstellung verschleißhemmender Schichten insbesondere auf  
Hartmetallwendeschneidplättchen durch CVD**

B.Lux, R.Haubner, H.Altena, C.Colombier  
Fischmeister/Jehn; Hartstoffschichten zur Verschleißminderung, Vortragstexte des 39.  
WEH-Seminars, Bad Honnef 1986, Seite 71-112, Verlag DGM Inf.Gesellschaft,  
Oberursel BRD

**Tantal- und Tantalkarbid-CVD-Beschichtungen von WC/Co-Hartmetall und rostfreien  
Stählen**

C.Wohlrab, R.Haubner, W.Schintlmeister, B.Lux  
\* 12<sup>th</sup> Int. Plansee Seminar '89, Mai 1989, Reutte, Austria, Editors: H.Bildstein, H.Ortner,  
Proc., Vol.3, C20, 143-61  
\* J.Ref.Met-Hard Materials, Vol.9, No.4 (1990) 192-199

**CVD-Chromkarbidbeschichtungen von WC/Co-Hartmetall und Warmarbeitsstahl bei  
Atmosphärendruck**

C.Wohlrab, R.Haubner, W.Schintlmeister, B.Lux  
\* 12<sup>th</sup> Int. Plansee Seminar '89, Mai 1989, Reutte, Austria, Editors: H.Bildstein, H.Ortner,  
Proc., Vol.3, C21, 163-86  
\* J.Ref.Met-Hard Materials, Vol.9, No.3 (1990) 157-166

**Chemically Vapour-Deposited Hard Coatings: Applications and Selection Guidelines**

B.Lux, R.Haubner, C.Wohlrab  
Surface and Coating Technology, 38 (1989) 267-280

**Influence of Cr, W, P, Se and Te on Al<sub>2</sub>O<sub>3</sub> Deposition by CVD**

M.Danzinger, R.Haubner, B.Lux  
3<sup>rd</sup> Int.Conf.Surface Modification Technologies, Neuchatel, Switzerland, Aug.28-Sept.1  
1989, 829-834, Edited by T.S.Sudarshan and D.G.Bhat

**Influence of AlCl<sub>3</sub>, ZrCl<sub>4</sub> and BCl<sub>3</sub> on the TiC and TiN Deposition by CVD**

A.Osada, M.Danzinger, R.Haubner, B.Lux  
\* 8<sup>th</sup> EURO-CVD Conf., Sept.1991, Glasgow, Scotland, 557-562, Editors:  
M.L.Hitchman, N.J.Archer  
\* Journal de Physique IV, Coll.C2, Vol.1, sept.1991, 557-562





**Sol-gel preparation of catalyst particles on substrates for hot-filament CVD nanotube deposition**

R. Haubner, W. Schwinger, J. Haring, R. Schöftner  
Diamond and Related Materials, **17** (2008) 1452 - 1457.

**Preparation of catalytic nano-particles and growth of aligned CNTs with HF-CVD**

W. Schwinger, J. Haring, A. Jantscher, R. Haubner, I. Gerger, M. Bodnarchuk, M. Kovalenko, W. Heiss, R. Schöftner  
Journal of Physics: Conference Series **100** (2008) 052092

**Growth of Carbon Nanotube Layers in a Thermal CVD Reactor on Substrates Prepared by Catalyst Spray Deposition**

M. Traxler, R. Haubner  
EuroCVD 17 and CVD 17, Wien; 04.10.2009 - 09.10.2009; in: "ECS Transactions, 25", The Electrochemical Society, 25 (8) (2009) 861 - 864.

**Selective Growth of Carbon Nanotubes on Printed Fe<sub>3</sub>O<sub>4</sub> Nanoparticles**

R. Haubner, W. Schwinger, B. Dittert, R. Schöftner  
EuroCVD 17 and CVD 17, Wien; 04.10.2009 - 09.10.2009; in: "ECS Transactions, 25", The Electrochemical Society, 25 (8) (2009) 917 - 920.

**Micro fluid contact printing of sol-gel-derived in-situ formed catalysts for the structured growth of carbon nanotubes**

B. Dittert, I. Bergmair, R. Haubner, R. Schöftner  
Surface & Coatings Technology, 204 (2010) 3647 - 3651.

**The history of hard CVD coatings for tool applications at the University of Technology Vienna**

R. Haubner  
\* Zhuzhou International Conference on Cemented Carbides, Zhuzhou, China, 12.09.2012 - 16.09.2012; in: "2012 Zhuzhou International Conference on Cemented Carbides", Z. Zhongjian (Hrg.); (2012), S. 87 - 98.  
\* International Journal of Refractory Metals & Hard Materials, 41 (2013) 22 - 34.