

Curriculum Vitae of Prof. Dr. rer. nat. Dr. h.c. mult. Günter Petzow

- 08.07.1926 Born in Nordhausen/Harz, Germany
- 1933-1946 School attendance in Hameln/Weser Abitur (final examination)
- 1947-1950 Apprenticeship and work as a chemist at a pharmaceutical laboratory
- 1950 Study of chemistry and metallurgy at the University of Stuttgart
- 04.09.1953 Bachelor of chemistry examination
- 28.02.1956 Master of Science examination (Dipl.-Ing.) Thesis: "The ternary system silver-copper-cadmium"
- 01.08.1957 Assistant Professor at the Institute of Physical Metallurgy of the University of Stuttgart
- 29.10.1959 Promotion to Dr.rer.nat., Ph.D.-Thesis on "The quaternary phase diagram silver-copper-cadmium-tin"
- 01.04.1960 Research associate at the Max-Planck-Institute for Metals Research, Institute for Special Metals. Head of two research groups: phase diagrams of metallic systems and metallography
- 01.07.1965 In addition Head of the Powder Metallurgy group and supervisor of the construction of the Powder Metallurgy Laboratory at MPI for Metals Research
- 17.05.1968 Inauguration and Head of the Powder Metallurgy Laboratory (PML) in Stuttgart-Büsnau
- 01.07.1973 Appointed Scientific Member of Max-Planck-Society and member of the board of directors of the Max-Planck-Institute for Metals Research, Stuttgart
- 01.10.1974 Appointed Extraordinary Professor of the University of Stuttgart
- 19.12.1977 Appointed Honorary Professor of the University of Berlin
- 01.04.1980 Vice Director of the Max-Planck-Institute for Metals Research
- 01.01.1982 In addition appointed Director of the National School for Metallographers which belongs to the Max-Planck-Institute for Metals Research
- 01.09.1984 In addition Head of the High-Tech Ceramic Division and supervisor of the construction of the Laboratory for ceramic research at the Max-Planck-Institute for Metals Research
- 01.04.1986 Chairman of the Coordinating Committee of the Ceramic Project between the MPI and four industrial companies (Daimler-Benz AG, Hoechst AG, Bayer AG, and MTU)
- 13.03. 1988 Inauguration of the new building for ceramic research
- 01.04.1989 Executive Managing Director of the Max-Planck-Institute for Metals Research
- 01.08.1994 Emeritus Professor of the University of Stuttgart and Emeritus.
Director of the Max-Planck-Institute for Metals Research
- Ongoing activities:
Boardmember of the German Materials Society (DGM)
Member of several Advisory Boards of governmental and industrial committees and scientific journals.
Member of Visiting Committees of some national and international scientific institutions.
Editor in Chief of two scientific journals: "Zeitschrift für Metallkunde" (Journal for Research and Development of Materials and Methods in Materials Science) and "Practical Metallography".

Guest Professorships

April/May 1975	Chalmers Tekniska Hogskola, Göteborg, Sveden (Phase Diagrams and Thermodynamics)
July/August 1975	Tokyo Institute of Technology, Tokyo, Japan (High Temperature Materials)
February/April 1977	University of Surrey, Guildford, England (High Temperature Materials)
June/December 1979	Schlumberger Professor at the University of Michigan, Ann Arbor
February/March 1981	Universidade Federal de Sao Carlos, S.P., Brazil (Phase Diagrams of Refractory Metal Alloys)
April/May 1981	Academia Sinica, Institute for Metals Research, Shenyang, P.R.China (Modern Metallography)
Since 1961	Chairman of Metallography Seminars at the Technical Academy in Esslingen
Since 1983	Professor-Consultant in the field of Materials Science at the University of Belgrade, Center for Multidisciplinary Studies
June 1988	Academia Sinica, Institute of Ceramics, Shanghai, PR.China (Advanced Ceramics)
July/August 1992	Distinguished Lecturer on Metallography, ASM International, Materials Park Ohio

Involvement in Scientific and Technical Societies

- Member of the Board of Directors of the German Society of Materials (DGM) (since 1972)
- Member of the Board of Directors of the German Ceramic Society (DKG) (1985 - 1989))
- Member of the Board of Directors of the European Powder Metallurgy Federation (EPMF) (1984-1992)
- Chairman of the Joint Committee for Powder Metallurgy in the German Society of Materials (DGM), German Ceramic Society (DKG), German Society of Engineers (VDI), Society of Iron and Steel Engineers (VDEh), Association of Powder Metallurgy (FVPM) (1980-1986)
- Founder and first chairman of the Metallography Committee in the German Society of Materials (DGM) (1968-1972)
- Titular member of the International Union of Pure and Applied Chemistry (IUPAC), Commission on High Temperature and Refractory Materials (1980-1985)
- Founding member of the International Council on Alloy Phase Diagrams (ASM, NBS) (since 1980)
- Founding member of the Committee of Applied Research on Phase Diagrams of the German Society of Materials (DGM) (since 1984)
- Founding member of the Committee on High-Tech Ceramics of the German Society of Materials (DGM) and the German Ceramic Society (DKG) (since 1986)
- Full member of the International Institute for Studying Sintering (IISS) (since 1977)
- General Chairman of the European Powder Metallurgy Conference 1986 at Düsseldorf (P/M'86)
- Coordinator of the Special Project on Advanced Ceramics of the German Science Foundation (DFG) (1987-1993)
- President of the German Society for Materials (1989-1991)
- Founder and First Chairman of the Ceramic Coordination Group of the Universities of Stuttgart and Karlsruhe (1989-1992)
- Member of the Board of the Research Activity "Implantology" of the University of Tübingen (1985-1995)

- Member of the Board of Trustees of the Fraunhofer-Institute for Silicate Research, Würzburg (1980-1995) and of the Institute for New Materials (INM) (1992-1996)
- Consultant for the Ministry of Research and Technology (BMFT) for the following projects: Biomaterials (1972-1978); Ceramic Gas Turbines (1976-1983); Gas Cooled Solar Power Plant Towers (1979-1989); Materials Research (1984-1994)
- Member of the Joint Committee of the German Research Organisation (DFG) and the Korean Research Organisation (KOSEF) for the promotion of scientific cooperation between BRD and Korea (1978-1978)
- Member of MPG/DFG - China Coordinating Committee (CKA) (1981-1994)
- Member of the Board of Governors of the Schott-Glaswerke, Mainz, Carl-Zeiss Foundation (1981-1996); Member of the Board of Governors of Lonza-Company GmbH, Waldshut (1983-1989); Members of the Board of Governors of Feldmühle-Nobef AG (1988-1993)
- Member of the Scientific Advisory Committee of the Alfred Krupp von Bohlen and Halbach Foundation (1988-1998)
- Vice Chairman of the Management Committee COST 503 of the European Coordinated Action Project on Powder Metallurgy (1984-1990)
- Chairman of the COST 507 Action on Thermodynamic of Light Metals, Commission of the European Communities, Brussels
- Reviewer and Advisor of the German Ministry of Science and Technology (since 1982)
- Internat. Advisor of the National Research Institute for Metals, Tsukuba, Japan (NRIM) (1993-1996)

Involvement with Technical Journals and Books

- Cofounder and scientific editor of the bilingual journal "Praktische Metallographie/Practical Metallography" (since 1964)
- Cofounder and scientific editor of "Powder Metallurgy International" (1968-1993)
- Editor-in-chief of "Zeitschrift für Metallkunde" (since 1976)
- Member of the Scientific Editorial Board of "Metallography, Materials Characterization" (since 1972), "International Metals Reviews" (since 1979-1985), and "Advanced Materials" (1985)
- Editor of the special edition of "Praktische Metallographie/Practical Metallography" (since 1969)
- Editor of the book series "Materialkundlich-Technische Reihe" (since 1975)
- Member of the International Liaison Committee of the International Journal of Powder Metallurgy (1987-1992)
- Co-editor of book series "Ternary Alloys"

Distinctions and Honours

- **Prizes and Awards**
 - 1977 Kuczynski Diplom from International Institute for the Science of Sintering (IISS) for the best paper 1976/77 on "Particle Rearrangement in Solid State Sintering", Z.f. Metallkde. 67 (1967) 611-618
 - 1978 Gottfried Wagner Memorial Lecture, Tokyo Institute of Technology
 - 1982 Hume-Rothery Prize from the Institute of Metals, London
 - 1982 Henry-Clifton Sorby Award from the Internat. Metallographic Society (IMS) USA
 - 1984 Heyn-Denkünze, the highest distinction from the German Society of Materials, Frankfurt

- 1984 Roland-Mitsche Prize from the Federation of Austrian Metal Industry of Technical and Scientific Union of "Austrian Iron and Steel Industry" and the German Society of Metals, Leoben
- 1986 Research Prize from the Japanese Society for Powder and Powder Metallurgy, Tokyo
- 1987 Arthur-Burkhardt-Prize of the German Science Foundation, Stuttgart
- 1989 Skaupy-Prize for Powder Metallurgy 1989, German Powder Metallurgy Association, Hagen, Westf.
- 1989 ASM-IMS Distinguished Lecturer in Metallography
- 1989 International Prize of the Japanese Fine Ceramics Association, Tokyo
- 1990 Albert Sauveur Achievement Award from the American Society for Materials (ASM International), Materials Park, Ohio
- 1990 1st Class Order for national merits of the President of the Federal Republic of Germany, Bonn
- 1991 The Centennial Award of the Japanese Society of Ceramics, Tokyo
- 1992 Buehler-Prize for the best paper in the Journal Practical Metallography 1991, Dresden
- 1993 Sosman Memorial Lecture, American Ceramic Society, Cincinnati, USA
- 1994 Carl von Bach Gedenkmünze of the Staatliche Materialprüfungsanstalt Stuttgart
- 1994 Medal of the Hungarian Academy of Science (Institute for Technical Physics), Budapest
- 1995 President's Award of the IMS/ASM (Internat. Metallographic Soc. Inc.) Albuquerque, USA
- 1995 Order of the Rising Sun with Golden Rays and Neck Ribbon of the Japanese Emperor
- 1996 Golden Badge of the Union for Animal Protection
- 1997 Great HONDA-Prize for Distinguished Achievements in the Field of Eco-Technology Honda Foundation, Japan
- 1998 Golden Badge of Honor of the Max-Planck-Society
- 1998 Plaque of Appreciation of the Korean Ceramic Society
- 2002 - 2003 ISI Highly Cited Author
- 2003 Gold Medal for Merits, Technische Universität Dresden, Germany
- 2004 Golden Badge of Honor of the Hanyang University, Seoul, Korea
- 2005 Medal of Honor for merits in materials research of The Institute of Material Research of the Slovakian Academy of Sciences(SAS)
- 2005 Silver Badge of Honor of the German Society for Lifesaving (DLRG)

- **Honorary Doctorates:**

- 1981 Honorary Doctorate (Dr.h.c.) from Tokyo Institute of Technology (Tokyo Kogyo Daigaku)
- 1984 Honorary Doctorate (Dr.-Ing.E.h.) from the Hanyang University in Seoul, Korea
- 1989 Honorary Doctorate (Dr.mont.h.c.) from the Montanistische Universität Leoben, Austria
- 1992 Honorary Doctorate (Dr.-Ing. E.h.) from the Technische Universität Dresden, Germany
- 1992 Honorary Doctorate (Dr.h.c. Chimica Industriale) from the University of Genova, Italy
- 1993 Honorary Doctorate (Dr.h.c.) from the University of Cluj-Napoca, Romania
- 1995 Honorary Doctorate (Dr.h.c.) from the Academy of Science of Slovakia
- 2002 Honorary Doctorate ((Dr.sci.techn.e.h.) from the Eidgenössische Technische Hochschule Zürich, Switzerland

- **Honorary Professorships**

- 1978 Schlumberger Professorship of the University of Michigan, Ann Arbor, USA
- 1986 Honorary Professor of the Technical University Berlin, Germany
- 1988 Honorary Professor of the Shanghai Institute of Ceramics, Academia Sinica, China
- 1989 ASM-IMS Distinguished Lecturer on Metallography, USA
- 1994 Honorary Professor of the Institute of Metals of the Academia Sinica, Shenyang, China
- 1994 Em. Honorary Professor of the University of Stuttgart
- 1998 Research Professor in the Ceramic Materials Research Institute of the Hanyang University, Seoul, Korea

- **Honorary Memberships:**

- 1977 Fellow of the American Society for Metals (ASM)
- 1979 Honorary Member of the Korean Society for Metals (KIM)
- 1983 Honorary Member of the Powder Metallurgy Association of India (PMAI) 1985 Honorary Member of the Korean Society of Ceramics
- 1986 Fellow of the American Ceramic Society (ACerS)
- 1991 Honorary Member of the Japanese Materials Research Society (J-MRS)
- 1992 Honorary Member of the Japan Institute of Metals, Sendai, Japan
- 1995 Honorary Member of the Indian Institute of Metals, New Delhi, India
- 1997 Honorary Member of the German Society for Materials (DGM)
- 1997 Honorary Member of the Korean Powder Metallurgy Institute

- **Membership Academies:**

- 1961 Advisor and Lecturer of the Technical Academy Esslingen, Germany
- 1980 Full member of the International Institute for Science of Sintering (IISS) Belgrade, Yugoslavia
- 1988 Member of the International Academy of Ceramics, Italy
- 1989 International Advisory Board of the Kanagawa Academy for Science and Technology (KAST), Japan
- 1993 European Academy for Science and Art, London, England
- 1993 Academia Scientiarum et Artium Europaea, Salzburg, Austria