

CURRICULUM VITAE



Univ.Prof. Dipl. Ing. Dr.techn. Herbert **Danninger**
born 25.10.1955 in Linz, Austria; Austrian citizen

Business Address: Technische Universität Wien, Institut für Chemische Technologien und Analytik
(E 164), Getreidemarkt 9/7, A-1060 Wien/Vienna, Austria

home address: Karl-Schwed-Gasse 98/2, A-1230 Wien, Austria

Civil status: Married to Dr.-Ing. Anette Siglinde Danninger, nee Donath,
son Clemens Florian (born 1993)

Education:

1962-1966	Elementary school at Leonding/Upper Austria
1966-1974	Secondary School (Akademisches Gymnasium) Linz, Spittelwiese 14
June 1974	Final examination (Matura) with excellent marks
1974-1979	Studies of Technical Chemistry at Vienna University of Technology (Technische Universität Wien)
March 1977	1 st Diploma Examination (Diplomprüfung)
March 1979	2 nd Diploma Examination (Diplomprüfung), special focus Chemical Engineering
April 1979	Graduation (Sponsion), title Dipl.-Ing. (graduated engineer)
1979-1980	Doctoral thesis at the Institute for Chemical Technology of Inorganic Materials, title: „Influence of the Manufacturing Parameters on the Properties of Tungsten Heavy Alloys“.
December 1980	Graduation to Doctor of Technical Sciences (Dr.techn.)
January 1990	venia docendi (Habilitation) for "Powder Metallurgy". Title of the thesis: "Homogenization during Sintering with Transient Liquid Phase"

Professional career:

July 1978-April 1979:	Student Assistant Scientist (Studienassistent) at the Institute for Chemical Technology of Inorganic Materials
April 1979-Oct. 1985:	Junior Assistant Scientist (Vertragsassistent)
from November 1985:	Senior Assistant Scientist (Universitätsassistent)
from 1.1.1990:	Consultant for Powder Metallurgy
from 1.1.1993:	Head, Powder Metallurgy Laboratory (Abteilung Pulvermetallurgie) at the Institute for Chemical Technology of Inorganic Materials
1.10.1997:	Ao.Univ.Prof. (associate professor)
1.1.2002:	Head, Chemical Technologies Division at Institute of Chemical Technologies and Analytics
1.5.2003:	Appointment to Full Professor for Chemical Technology of Inorganic Materials
1.1.2004 – 30.9.2011:	Director, Institute of Chemical Technologies and Analytics
From 1.10.2011	Dean, Faculty of Technical Chemistry

Research Activities:

Main topics of research:

- Powder metallurgy of tungsten two phase alloys
- Sintered iron base magnetic materials
- Compacting processes for manufacturing high strength and high density sintered steels
- Liquid phase sintering and related homogenization and pore formation processes
- Chemical reactions during sintering and heat treatment processes
- Post-sintering treatments of sintered steels (surface coating, joining, machining)
- Correlations between microstructure and mechanical properties of porous sintered iron
- Fatigue behaviour of powder metallurgy steels and tool materials
- PM materials with nonconventional microstructures

In part the research work was carried out in close cooperation with industrial enterprises such as e.g.:

MIBA Sinter Austria GmbH, A-4655 Vorchdorf, Austria
 Plansee SE, A-6600 Reutte
 Voestalpine Stahl GmbH, A-4030 Linz, Austria
 Tyrolit Schleifmittelwerke Swarovski KG, A-6130 Schwaz, Austria
 Böhler Uddeholm Precision Strip GmbH & Co. KG, A-3333 Böhlerwerk, Austria
 Böhler Uddeholm AG, A-1030 Wien, Austria
 Böhler Edelstahl GmbH, A-8605 Kapfenberg
 Treibacher Industrie AG, A-9330 Treibach, Austria
 HILTI AG, FL-9494 Schaan, Liechtenstein
 TIMCAL AG, CH-5643 Sins, Switzerland
 ABB, CH-5405 Baden, Switzerland
 Ceratizit Luxembourg S.a.r.l., LU-8232 Mamer, Luxembourg
 Bleistahl Produktions-GmbH & Co. KG, D-58830 Wetter/Ruhr, Germany
 Ecka Granulate GmbH, D-90763 Fürth, Germany
 Höganäs AB, S-263 83 Höganäs, Sweden
 Mashad Powder Metallurgy Co., Mashad, Iran

Working visits of about 2 weeks' duration were paid to the Technical University of Dresden, section "Materials Science" annually in 1981 to 1990 within an existing cooperation. Further longtime cooperations exist with the Institute for Materials Research, Slovak Academy of Sciences, Kosice, the Universidad Carlos III, Madrid, and the Università degli Studi di Trento, Italy.

Author (jointly with H.E.Exner, Darmstadt) of "**Powder Metallurgy of Steel**" in: Gmelin-Durrer: "**Metallurgy of Iron**" Vol.10a/b, Springer Verlag (1992) pp. 129a-207a, 72b-141b

Author (jointly with B.Weiss, Univ. Vienna) of „**Fatigue of PM Materials**“ in „**Encyclopaedia of Materials: Science and Technology**“, K.H.J.Buschow, R.W.Cahn, M.C.Flemings, B.Ilschner, E.J.Kramer, S.Mahajan eds., Elsevier (2001)

Author (jointly with A.Salak, M.Selecka, Slovak Academy of Sciences, Kosice) of "**Machinability of Powder Metallurgy Steels**", Cambridge International Science Publ., Cambridge, UK (2005)

Author of "**Pulvermetallurgische Leichtbauwerkstoffe**" ("powder metallurgy lightweight materials") in: "**Leichtbau**" ("lightweight design"), H.P.Degischer, S.Lüftl eds., Wiley-VCh (2009)

About 440 scientific articles published in peer-reviewed journals or in proceedings of international conferences

Numerous oral presentations at international conferences and at foreign Universities and Institutes

Lectures at the Vienna University of Technology and at the Johannes Kepler University, Linz, about Chemical Technology, Powder Metallurgy, and Materials Technology

1999-2008 „key researcher“ at the Austrian Virtual Institute *Materials Competence Center Leoben* (MCL); scientific coordinator of the focus „Powder Technology“.

From 1.11.2014: Scientific Editor (jointly with Jose M. Torralba) of “Powder Metallurgy”, Taylor & Francis, London UK

Awards:

December 1984: Dr.Ernst Fehrer Prize of the Vienna University of Technology for the development of liquid phase activated gravity sintering of stainless steels

November 2006: Skaupy Lecture Award of the Gemeinschaftsausschuss Pulvermetallurgie, Germany

January 2010: Doctor honoris causa of the Universitatea Tehnica din Cluj-Napoca (Romania)

June 2010: APMI Fellow Award (APMI International, Princeton NJ, USA)

January 2016: Doctor honoris causa of Universidad Carlos III de Madrid, Spain

Miscellaneous:

- 1986-1993 Secretary of the Austrian Powder Metallurgy Association
- From 1993 Austrian representative in the Steering Committee of the German „Gemeinschaftsausschuß Pulvermetallurgie“ (Joint Powder Metallurgy Association)
- From 1991 Austrian member of the Education Working group within the European Powder Metallurgy Association (EPMA)
- From 2003 Chairman of the Powder Metallurgy Group in the Austrian Society for Metallurgy (ASMET)
- 2004 Co-Chairman of the Management Committee and the Technical Programme Committee for “*PM2004 Powder Metallurgy World Congress and Exhibition 2004*”, 17-21 October 2004, Vienna, Austria
- From 2009 Chairman of „Gemeinschaftsausschuß Pulvermetallurgie“ (Joint Powder Metallurgy Committee), Hagen, Germany

Memberships:

- Austrian Society for Metallurgy (ASMET)
- Gesellschaft Österreichischer Chemiker (Austrian Chemical Society, GÖCh)
- Deutsche Gesellschaft für Materialkunde (DGM)
- European Powder Metallurgy Association (EPMA)
- American Powder Metallurgy Institute (APMI)
- ASM International
- TMS The Metals, Minerals, and Materials Society

UNIVERSITATEA DIN CRAIOVA

Facultatea de Mecanica

Prezentare nominalizare Doctor Honoris Causa

Profesor Doctor Inginer Herbert DANNINGER

Universitatea Tehnologica din Viena, Austria

Domnul Profesor Doctor Inginer Herbert DANNINGER de la Universitatea Tehnologica din Viena, Austria, Decan al Facultatii de Chimie Tehnica din anul 2011, este personalitatea stiintifica si academica care se bucura de o larga recunoastere la nivel european si mondial si pe care suntem deosebit de onorati sa o propunem pentru nominalizarea la titlul de *Doctor Honoris Causa* din partea Facultatii de Mecanica a Universitatii din Craiova.

In cadrul Universitatii Tehnologice (UT) din Viena, trei facultati respectiv Facultatea de Mecanica si Inginerie Industriala, Facultatea de Inginerie Civila si Facultatea de Chimie Tehnica se regasesc, ca si domenii de interes, in facultatile corespondente ale universitatii noastre. Indelungata colaborare dintre UT Viena si Facultatea de Mecanica a Universitatii din Craiova creeaza premisele dezvoltarii ulterioare a cooperarii dintre cele doua universitati.

Dl. Prof.Dr.Ing. Herbert DANNINGER s-a nascut in anul 1955 in Linz, Austria, urmand cursurile universitare in domeniul chimiei tehnice la Universitatea Tehnologica din Viena intre anii 1974-1979. In anul 1980 devine Doctor Inginer in domeniul tehnologiei chimice a materialelor anorganice, studiind influenta parametrilor de elaborare asupra proprietatilor aliajelor dure pe baza de wolfram. In anul 1990 obtine abilitarea pentru conducere de doctorat in domeniul tehnologiei metalurgiei pulberilor.

Carierea profesionala a Dlui. Prof. Herbert DANNINGER se dezvolta impetuos in acest domeniu, marcata in anul 2002 de numirea ca Director al Diviziei de Tehnologii Chimice al Institutului de Tehnologii Chimica si Analitica, ulterior devenind directorul acestui institut in anii 2004-2011. In anul 2003 devine profesor in domeniul tehnologiei chimice a materialelor anorganice, iar in 2011 Decan al Facultatii de Chimie Tehnica a Universitatii Tehnologice din Viena.

Cercetarea stiintifica coordonata de Prof. Herbert DANNINGER vizeaza domeniul elaborarii de materiale avansate, cu structuri conventionale si neconventionale, din gama aliajelor bifazice pe baza de W, magneti pe baza de Fe, oteluri de inalta densitate prin tehnologii specifice metalurgiei pulberilor, utilizand tratamente termice moderne de sinterizare si prelucrari avansate post-sinterizare.

- Colaborarea dintre Universitatea din Craiova si Universitatea Tehnologica din Viena, initiata de Dl. Prof. DANNINGER, a fost sustinuta de-a lungul a peste 15 ani de Prof. Mario ROSSO (Universitatea Politehnica din Torino, Italia), Doctor Honoris Causa al universitatii noastre (2004), respectiv Prof. Jose Manuel Torralba (Universitatea Carlos al III-lea din Madrid, Spania, la randul domniei sale Doctor Honoris Causa al Universitatii din Craiova in anul 2007. In aceasta perioada (2000-2010), cooperarea dintre Universitatea Tehnologica din Viena si Universitatea din Craiova s-a manifestat prin derularea de activitati educationale si de cercetare in domeniul metalurgiei pulberilor pana la nivelul Asociatiei Europene de Metalurgia Pulberilor (EPMA, Anglia).
- In anul 2009 Universitatea din Craiova a fost co-organizator al Conferintei Internationale de Metalurgia Pulberilor, RoPM 2009, la Craiova, la care Dl. Prof. Herbert DANNINGER a contribuit la sporirea recunoasterii internationale in domeniul cercetarii stiintifice de profil a Universitatii din Craiova.
- In prezent, Dl. Prof. Herbert DANNINGER este Presedintele Comitetului Stiintific al Conferintei Internationale ADEM 2016, organizata de Facultatea de Mecanica in luna noiembrie 2016.

Astfel, in contextul mai-sus amintit, nominalizarea Dlui. Prof. Herbert DANNINGER pentru titlul de Doctor Honoris Cauza al universitatii noastre reprezinta incununarea colaborarii dintre universitatile noastre si, in acelasi timp, asigura dezvoltarea ulterioara a acesteia.

- Personalitatea stiintifica a Prof. Herbert DANNINGER este marcata de o puternica latura antreprenoriala prin stransa colaborare cu companii industriale de renume din Austria (MIBA, PLANSEE, TYROLIT SWAROVSKI), Suedia (HOGANAS), Liechtenstein (HILTI), Elvetia (TIMCAL, ABB), Luxemburg (CERATIZIT), Germania (BLEISTAHL, ECKA GRANULATE). In aceste conditii, Universitatea din Craiova poate beneficia de expertiza si sprijinul acordate de Prof. Herbert DANNINGER in dezvoltarea unui antreprenoriat marcant si de profil. Acest proces va putea fi derulat atat la nivelul cadrelor didactice cat si la nivelul universitate-antreprenori prin programe de mobilitati Erasmus+, stagii de internship, respectiv studii doctorale in co-tutela in domeniile inginerie mecanica/industrială/chimica, bioinginerie, dar nu numai.

Rezultatele deosebite din domeniul cercetarii stiintifice aplicate, practicata de Prof. Herbert DANNINGER, sunt publicate in manuale de referinta editate in edituri de prestigiu mondial: Springer Verlag, Elsevier, Cambridge international

Science, Wiley-VCh. De asemenea, peste 440 de lucrari stiintifice, respectiv prezentari la numeroase conferinte si congrese internationale cuantifica valoarea cercetarilor aplicate elaborate de Prof. Herbert DANNINGER.

Prof. Herbert DANNINGER a dezvoltat, de-a lungul anilor, colaborari cu universitati si institute de cercetare, cum sunt: Universitatea Johannes Kepler (Austria), Universitatea Tehnica din Dresda (Germania), Academia Slovaca de Stiinte, Universitatea Carlos al III-lea din Madrid (Spania) si Universitatea din Trento (Italia), reprezentand o punte solida intre cercetarea stiintific si aplicativa dintre Europa de Est si cea occidentala.

- In peste cei 35 de ani de cariera, Prof. Herbert DANNINGER a obtinut premii si nominalizari de referinta in domeniu dintre care cele mai recente sunt: Doctor Honoris Causa al Universitatii Tehnice din Cluj-Napoca (2010), respectiv Universitatea Carlos al III-lea din Madrid (2016) precum si premiul Asociatiei Americane de Metalurgia Pulberilor (APMI International, Princeton, NJ, USA) in anul 2010.

Ne onoreaza colaborarea fructuoasa de peste 15 ani dintre Universitatea Tehnologica din Viena si Universitatea din Craiova, materializata prin cooperarea stiintifica si academica dezvoltata de Prof. Herbert DANNINGER si cadre didactice ale facultatii noastre, motiv pentru care propunem nominalizarea Dlui. Prof. Herbert DANNINGER pentru titlul de *Doctor Honoris Causa* al Universitatii din Craiova din partea Facultatii de Mecanica.

Decan,

Prof.Univ.Dr.Ing. Nicolae DUMITRU

Octombrie 2016