

CV

Name: Prof. Dr.-Ing. habil. Prof. h.c. Günter Richard W o z n y

Birth: 1. November 1947

Place of birth: Schönberg, District Grevesmühlen

Family status: married, two children

Education: 1954-1961 Elementary School, Langenei
1961-1964 Public Secondary School, Schmallenberg

Vocational Education: 1964-1967 apprenticeship as a mechanic
at company Muhr & Bender, Attendorn
1967 Examination for skilled worker

Studies: 1967-1970 Study at Public Engineer School, Siegen
Field: Mechanical Engineering, Construction Design, Steel- and Tank
Construction
1970 Engineering Examination (Mark: Excellent)

1972-1976 Study of mechanical engineering at
Rheinisch-Westfälischen Technische Hochschule (RWTH) Aachen,
Field: Chemical Engineering
1976 Diploma Main Examination (Mark: Excellent with Distinction)

Military Service: 1. October 1970 - 31. March 1972 -

Occupational Activities: July 1970 - August 1970 Engineer at Consulting Engineers Norbert
Muth, Siegen
April 1973 - March 1975 Engineer as a second job at company Gustav
Schäfer, heat apparatus engineering, Netphen-Deuz
1975 - 1976 skilled student at professorship chemical engineering II and
professorship thermodynamics at RWTH Aachen
1.4.1976 - 30.9.1978 research associate at professorship for technical
thermodynamics, Prof. Dr.-Ing. K.F. Knoche
1.10.1978 - 30.9.1979 research assistant at the same professorship
Dissertation: Examination 12. January 1979
Phase equilibrium of strong electrolytes from vapour pressure
measurements with application of thermochemical Hydrogen production
(Mark: "Excellent with Distinction")
1.10.1979 - 30.9.1983 Chief engineer at institute for Energy Technology

at University Siegen, Prof. Dr.-Ing. F.N. Fett

Habilitation State doctorate:

25. November 1983 Energy and Chemical Engineering

1.10.1983-30.6.1993 research associate at Henkel KGaA, Düsseldorf,
Main Department head "Process- and Automation
Technology"

10.1.1989-30.6.1993 Apl. Professor at University Siegen

since 1.7.1993 Full professor C4 at Berlin University of Technology
(Technische Universität Berlin) Professorship: Process and Plant
Dynamic, Institute for Process and Plant Technology

Honors:

- Springorum Gedenkmünze, RWTH Aachen, 1976
- Borchers Plakette RWTH Aachen, 1979
- Arnold Eucken Preis VDI, Straßburg 1986
- Förderpreis '91 der Stiftung zur Förderung der Innovation in Wissenschaft und Forschung, Düsseldorf, Düsseldorf, 1989
- Visiting Professor 2003 University of Surry, Guildford University, GB
- Visiting Professor 2003 Zhejiang University, Hangzhou, China
- Professor honorary 2004, Cracow University of Technology

Editorships:

- | | |
|-------|--|
| 2005 | Editorial Board of Chemical Engineering and Processing, Special Issue |
| 2005- | Editorial Board of Inzynieria Chemiczna i Procesowa - Chemical and Process Engineering |
| 2003- | Editorial Board of Chemical Engineering Research and Design |

Invited lectures (selection):

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| 10/2007 | Seoul National University, Seoul, Korea |
| 10/2007 | Korea University, Seoul, Korea |
| 10/2007 | KAIST Seminar, Daejon, Korea |
| 09/2007 | 19 th Polish Conference of Chemical and Proc. Engg.; Rezow/Poland |
| 08/2004 | Chisa 2004, Prague |
| 06/2004 | 18th Polish Conference of Chemical and Proc. Engg., Szczyrk/Poland |
| 10/2003 | PRES'03, Hamilton/Canada |
| 03/2003 | Internat. Seminar on Chem. Eng.; Zhejiang University, Hangzhou/China |

Master Thesis

Supervised more than 200

PhD Thesis:

Supervised 37

Under Supervision 20

Habilitation State doctorate (supervisor resp. referee): 3

Participation in appeals procedures of professors (at Berlin University of Technology as well as at other universities): 8

Selected research projects (within the last 5 years):

„Experiment Planung“

„Frühjahrsschule Krakau“

„Multimedia in der Lehre“

„MOSES“

Funding: BMBF

„EuPaCe.net“

Funding: EU

„SWINGOPT“

Funding: EU, Marie Curie

„Summer Academy Advanced Separation“

“Integrierte Studiengänge mit Doppeldiplom“

„Hochschulpartnerschaften mit Japan + Korea“

„PIPES“

„OptiNet“

Funding: DAAD

Graduiertenkolleg „prometei, Forschungsschwerpunkt 9“

Graduiertenkolleg „Transportvorgänge an bewegten Phasengrenzflächen, Projekte T7 und T9“

„Filmströmungen in Packungskolonnen“

„Online-Optimierung Koksofengasreinigung“

„Stochastische Optimierung“

„Scale up präparativer HPLC-Säulen“

Funding: DFG

„Anfahren heterogen katalysierter Reaktivdestillationsprozesse“

„Bewertungsmethoden dreiphasiger Packungskolonnen“

Anfahrverhalten von reaktiven Trennprozessen“

Funding: AiF

„Modularisierung zur Unterstützung der Anlagenplanung“

„Modellvalidierung Schwefelsäureanlage“

„Benzolwäsche“

„Claus-Anlage“

„CAE“

„Modellerweiterung“

„Modellvalidierung Schwefelsäureanlage“

Funding: Uhde GmbH, Dortmund

„Hydrodynamikversuche Packungskolonne“

Funding: Raschig GmbH

„Effizienzsteigerung Glasherstellung“

Funding: Pilkington Deutschland GmbH

„Experimentelle Untersuchungen in einer Packungskolonne“

Funding: Merck KGaA

„Schaum in Packungskolonnen“

„Entlastung von Kolonnen“

„Dreiphasige Absorption“

Funding: BASF AG

„Multimediales Lehrmodul Prozessführung“

Funding: MHSG

„Entschwefelung“

„Simulator für die Hüttenindustrie“

Funding: Siemens AG, Erlangen

Patents:

[1] H. Arellano-Garcia, I. M. Carmona Hernández, G. Wozny; Vorrichtung und Verfahren zur Durchführung einer Rektifikation mit überlagerter chemischer Reaktion 2005, German Patent Application 10 2005 044 865.8

[2] L. Jeromin, G. Wozny, P. Li; Process for the Production of Monoglyceride based on the Glycerolysis of methylester 2003, European Patent Application 98961710.5

[3] M. Lisso, W. Arlt, G. Wozny; Chromatografische Säule zur Auftrennung 2001, German Patent Application 10159754

Organizational activities:

- | | |
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| 2007 | 7. Berlin Symposium Human-Machine-Systems “Prospektive Gestaltung von Mensch-Technik-Interaktion” |
| 2005 - | Head National Org. Committe ESCAPE and PSE |
| 2004 - | Symposium Informationstechnologien für Entwicklung und Produktion in der Verfahrenstechnik |
| 2003 - | PRES – Member of the Organisation Committee |
| 2003 - | Coordinator Master Study PEESE (Process Energy Environ. Systems Eng.) |
| 2002 - | Coordinator Master Study PEESE (Process Energy Env. Systems Eng.) |
| 2000 - 2003 | Symposium Optimal Process Design |
| 1986 - 2003 | Head Working Party DECHEMA Process simulation and –synthesis |

Organizational activities within Berlin University of Technology:

- Member Faculty council
- Member Institute council
- Chairman Joint committee ITM
- Approval of students apprentices

Memberships:

- AIChE
- DECHEMA
- GVC
- EFCE Working Party Fluid Separations

Books resp. chapter of books:

- Wozny, G.; Grote, A.; Klein, A.: Prozessführung, ISBN: 3937242023
- Wozny, G. (Ed.): E-Learning in Process and Chemical Engineering, ISBN: 3183828030
- Scott, D. M.; McCann, H. (Ed.): Process Imaging for Automatic Control, Chapter 2: Process Modeling, ISBN: 0824759206
- Goedecke, R. (Ed.): Fluidverfahrenstechnik, Chapter 2.3: Methoden und Werkzeuge der Simulationsverfahrenstechnik in der Fluidverfahrenstechnik, ISBN: 352731198X

Number of Publications:

More than 300

Process Modelling, Process Synthesis, Thermodynamics, Process Simulation, Process Optimization, Process Design, Process Control, Operator training, e-learning

Teaching Experience:

- Thermodynamic Analysis of Processes 1983-1993
- Process Dynamic 1993-2007
- Process Control 1993-2007
- Process Optimisation 1993-2007
- Plant Design 1998-2007
- Concurrent Engineering 2003-2007
- Thermodynamics 2004-2007
- Thermal Separation Processes 2004 - 2007
- e-Learning (blended) in Process Design and Operation 2001-2007
- e-Learning (blended) in Thermodynamics 2004-2007
- e-Learning (blended) in Concurrent Engineering 2003-2007

Industrial Courses:

- 2004 - GVT-Hochschulkurs "Neue Thermische Trenntechnologien in der Verfahrenstechnik"
- 2002 - DECHEMA-Kurs „Optimierung verfahrenstechnischer Prozesse“

Summer School

- 2005 - Advanced Separation Processes