



Profile

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Curriculum Vitae

Personal information

Surname / First names **Holzauer Ralf Artur**

Work experience

Dates	1984 - 1987
Occupation or position held	Project manager
Main activities and responsibilities	Construction of escalators, research and development
Name and address of employer	United Technologies, OTIS
Type of business or sector	Elevators and escalators
Dates	1987 - 1990
Occupation or position held	Team leader
Main activities and responsibilities	Bulk material handling, waste management, research and development
Name and address of employer	Fraunhofer Institut for Logistics
Type of business or sector	Research and development
Dates	1991-1992
Occupation or position held	Section leader
Main activities and responsibilities	Automation, waste management, research and development
Name and address of employer	University of Dortmund
Type of business or sector	Research and development
Dates	1992 - 1994
Occupation or position held	Chief engineer
Main activities and responsibilities	Traffic, automation, waste management, research and development
Name and address of employer	University of Dortmund
Type of business or sector	Education, Research and development
Dates	Since 1994
Occupation or position held	Professor
Main activities and responsibilities	Recycling technologies, mechanical engineering, logistics
Name and address of employer	University of applied sciences Gelsenkirchen
Type of business or sector	Education, Research and development

Education and training

Dates	1977 - 1984
Title of qualification awarded	Dipl.-Ing.
Principal subjects/occupational skills covered	Mechanical engineering
Name and type of organisation providing education and training	University of Dortmund 1977-1979, technical university of Hannover 1979-1984
Dates	1987 - 1992
Title of qualification awarded	Dr.-Ing.
Principal subjects/occupational skills covered	Mechanical engineering
Name and type of organisation providing education and training	University of Dortmund

Language German, English

Working area



Life cycle engineering

Recycling of complex industrial and consumer goods

System Design

Quality management

Process engineering

Recycling aspects of product design

Property of materials



Renewable vegetable raw materials

Mechanical engineering

System design

Human and social aspects



Logistics

Last mile logistics

Demand logistics



Lectures



University of Applied Sciences Gelsenkirchen,
Department of Utility Technology and
Environmental Engineering

Diploma, Bachelor and Master Courses

1. Recycling technology
2. Mechanical Process Engineering
3. Construction
4. Biomass



University of Applied Sciences Gelsenkirchen,
Department of Industrial Engineering

1. Automobile Recycling



University of Dortmund,
Teaching Position 1992 – 1996

1. Waste Management, Basics
2. Waste Management, System Design



Tongji University Shanghai

1. Automobile Recycling



Advisory Boards at the University

1. Faculty council, member 1995 - 1996
2. Convent, member 1995 – 1998
3. Board of examiners, member since 1995
4. Evaluation, Advisor 1999 – 2001
5. Dean;
Department of Utility Technology and
Environmental Engineering, 2001 - 2005
 - Foundation Industrial Advisory Board
 - Accreditation of two Bachelor courses,
Facility Management and Waste Management
 - Drafting of a Master course, Energy systems
6. Vice-Dean
Department of Utility Technology and
Environmental Engineering, since 2006

Associations, membership and cooperation



Association of German Engineers (VDI)

- Committee "Air Pollution Prevention"; member
- Committee; "Life Cycle Engineering"; chairman
- Department "Energy and Environment"; board of directors

EFAEP, European Federation of Associations of Environmental Professionals, member for policy and legislation"



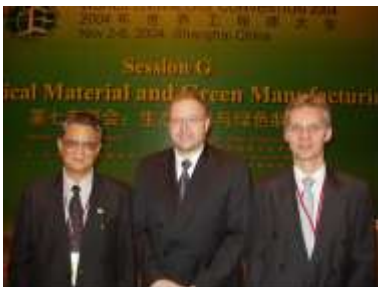
Association of Car Recyclers NRW e.V. (VAV), Herne; chairman (1998 - 2001), including

- Association of German Car Recyclers (IGA); speaker
- Working group End-of-Life Vehicles (VDA) ARGE-Altauto; member
- European Association of Automotive Recyclers (EGARA); member



Editor consultant Journal "Logistik Spektrum", German Association for Logistics; member responsible for „life cycle engineering"

Advisory Board course of "Environmental Engineering"; founder



Wirtschaftsförderungszentrum Ruhr für Entsorgungs- und Verwertungstechnik; formation chairman (2005); advisory board member since 2006

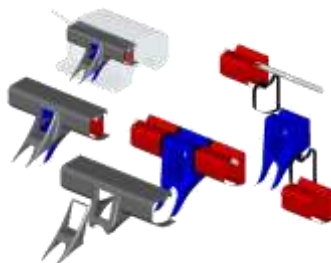
Last Mile Logistik Netzwerk; advisory board member since 2005; chairman since 2010

Member of German Jordanian University, responsible for environmental technologies since 2005



International advisor of Science & Technology Committee of Shanghai City Appearance & Environmental Sanitation Administrative Bureau (2007 – 2009)

Projects, selected public founded



Fraunhofer Institute for Material Flow and Logistics and University Dortmund

- Logistic concept for waste management of a congested area; City Dortmund
- Planning of temporary storage facilities for hazardous waste
- Study for landfill filling by means of continuous conveyors
- Risk assessment of a landfill for domestic waste
- Recirculation of computer packaging
- Waste management plans for sparsely populated areas
- Evaluation of the environmental relevance of bulk material handling
- Development of a logistics system for the waste of the coal-mine Friederich Heinrich
- planning system for removal of bulky waste
- Planning of a treatment plant for contaminated soils

University of applied sciences Gelsenkirchen

- Optimization of a waste sorting plant
- Monitoring of the state of the art in the automobile utilization
- Best technology for dewatering technology for automobiles
- Automobile 2010; Interface product development - recycling
- Development of a cockpit module for automobiles under life-cycle-conditions
- Conception and realization of a marketing structure for used automobile parts
- Development of a quality management system for a marketing community
- Business Recycling model for used car seats
- Machinery for separation of rubber and metal in rubber profiles

Publications, selected from 120

- (1) Holzhauer, R., R. Rinschede:
Vermeidungsstrategie - Entsorgungslogistik.
FhG-Berichte (1990) Nr. 3, S. 17-22.
- (2) Holzhauer, R., V. Mittenzwei, H. Schöne:
Optimierter Bewegungsablauf einer hydraulischen
Hub-Kipp-Vorrichtung an einem Hausmüllsammel-
fahrzeug.
Müll und Abfall 23 (1991) Nr. 6, S. 346-351.
- (3) Holzhauer, R., H. Schöne:
Selecting Suitable Haulage Systems for Future Land-
fills.
bulk-solids-handling 11 (1991) Nr. 3, S. 655-662.
- (4) Holzhauer, R. in : Rinschede A., K.-H. Wehking:
Entsorgungslogistik I - Grundlagen, Stand der Tech-
nik.
Erich Schmidt Verlag, Berlin 1991.
- (5) Eickelpasch, D., R. Holzhauer:
Umweltfreundlicher Transport von Schüttgütern mit
einem geschlossenen Gurtbandförderer.
Umweltbundesamt II 1.1 - 50 441 - 5/177, Projekt-
Nr. 1111,1991.
- (6) Holzhauer, R.:
The Reductions of Dust Emission in Bulk Handling
Installations.
bulk-solids-handling 12 (1992) Nr. 2, S. 217-226.
- (7) Holzhauer, R.:
Internal Waste Management; Cross Balance.
Vortrag.
Proceedings of Beijing International Symposium on
Computer integrated Manufacturing Systems,
ISCIMS' 92.
Beijing, China, 1992.
- (8) Henneböle, A., R. Holzhauer:Entwicklung eines
ganzheitlichen Logistikkonzeptes zur Förderung, La-
gerung und zum Handling von Abfällen am Beispiel
FCKW.
Universität Dortmund, Oktober 1992.
DFG-Endbericht, Projekt: II D 1 - Ju 121/29-1.
- (9) Holzhauer, R. in : Rinschede A., K.-H. Wehking:
Entsorgungslogistik II - Entwicklung und Bewertung
neuer Konzepte und Technologien.
Erich Schmidt Verlag, Berlin 1993.
- (10) Holzhauer, R., J. Buchgeister:
Wissenschaftliche Begleitung bei der Ausbildung von
Abfalltechnikern an der Berufsfachschule für Lan-
desfachklassen und Fachschule für Technik in Gel-
senkirchen (AWAK).

- Regierungspräsident Münster, AWAK Endbericht, S. 83-110, September 1993.
- (11) Holzhauer, R., H. Wenzel:
Aufkommen und Struktur medizintechnischer Geräte unter recyclingtechnischen Gesichtspunkten in Nordrhein-Westfalen.
medizintechnik 116 (1996) Nr.6, S. 213-216.
- (12) Holzhauer, R., M. Meise, M. Priebe:
Einsatzmöglichkeiten Teilerstörender Demontage-technik bei Elektrokleingeräten (Haushaltskleingeräte).
aufbereitungstechnik (1996) Nr.12.
- (13) Holzhauer, R.:
Jetzt geht's rund in der Kreislaufwirtschaft.
Logistik Spektrum (1996) Nr.6.
- (14) Holzhauer, R.:
in Beudt J., S. Gessenich: Die Altautoverordnung, Branchenwandel durch neue Marktstrukturen, Springer Verlag, Berlin, 1998.
- (15) Holzhauer R.:
E-Commerce: Auch ein Vertriebskanal für Pkw-Gebrauchteile.
Logistik-Spektrum 12 (2000) Nr.4.
- (16) Holzhauer R.:
Kreislaufwirtschaft für produzierende Unternehmen; VDI 4431 hilft Stoffströme in der Abfallwirtschaft besser abzugrenzen.
Umwelt 02.2001
- (17) Holzhauer R.:
Vom Auto zum Auto – Die Automobilverwertung im interdisziplinären Spannungsfeld
Tagungsleiter
Vortrag: Notwendige Rahmenbedingungen zu Schaffung qualitativ hochwertiger Verwerternetzwerke
Tagung Baden-Baden 11.2001
VDI Bericht 1623 11/2001
- (18) Holzhauer R.:
Perspektiven der Abfallwirtschaft.
Türkisch-Deutsches Symposium „Nachhaltige Technik und Dienstleistungen für Gemeinden und Immobilien“ Alanya Dezember 2002
- (19) Holzhauer R.:
Recycling-buisness-model, assessment of cost and quota.
Vortrag, International Automobile Recycling Congress, Geneva, March 2003
- (20) Holzhauer R., R. Tiemann:
Investigations for an automotive life-cycle.
World engineers convention Shanghai 2004
- (21) Holzhauer R., R. Tiemann, S. Weck, B. Weitkämper:
Kreisverkehr für Autocockpits.
Umweltmagazin Januar 2005

- (22)Holzhauer R.:
Relations between waste management plans, possible recycling technology, acceptance in the population and market mechanisms.
APLAS Shanghai 2006
- (23)Die Jatropha Story; Lösungen entlang der Wertschöpfungskette Jatropha,
Umweltmagazin ab 11. 2008
- (24)Holzhauer R., T. Krause:
Ressource Cockpit.
8. CTI Forum cockpit, 10. 2008
- (25)Holzhauer, R. et all: Die Tonnenanbeter,
Finacial Times Deutschland, 09.2009
- (26)Holzhauer, R., Y. Zhou: EXPO als Chance für die Weiterentwicklung der Abfallwirtschaft,
Forum Waste Management EXPO 2010 – Shanghai, 10. 2009
- (27)Holzhauer, R.: Technische und organisatorische Rahmenbedingungen der Abfallwirtschaft in Deutschland,
Institut for Construction and Environment, Shanghai, 11. 2009
- (28)Holzhauer R., A. Rinschede: Die Kraft aus der Nuss, Forschung für die Nachhaltigkeit, Lebendige Forschung an Fachhochschulen 12.2011