

## PERSONAL INFORMATION



## Prof. Dr. Henning Zoz

+49-2762-97560

Sex: male  
 Date of birth: 01/04/1964  
 Nationality: German  
 Marital status: married, 5 children

## WORK EXPERIENCE

1992 - now	Prof. Dr. Henning Zoz CEO & President Zoz GmbH, Maltoz <sup>®</sup> -Strasse, D-57482 Wenden, Germany phone: +49-2762-97560 fax: +49-2762-97567 email: info@zoz.de www: http://www.zoz.de
2017 - now	Managing Director at Zoz-Mühlenbrock Aviation GmbH, Wenden, Germany
2011 - now	Managing Director at Zoz-Harke Aviation GmbH & Co. KG, Wenden, Germany
2010 - 2017	Managing Director at Zoz Mobility GbR, Wenden, Germany
2008 - 2015	Managing Director at Zoz Living GbR, Wenden, Germany
2004 - 2009	Managing Director at Zoz Travel GbR, Wenden, Germany
2015 - 2015	Assistant Professor at Ritsumeikan University, Kusatsu, Japan
2009 - 2014	Chair Professor at Ritsumeikan University, Kusatsu, Japan
2008 - 2015	Implementation and Assessment Committee Member, Overseas Education Program, Ritsumeikan University, Kusatsu, Japan
2004 - now	Invited Professor at CIITEC-IPN, Mexico City, Mexico D. F.

## EDUCATION | TRAINING

2008	Doctoral Degree in Advanced Technology at summa cum laude, CIITEC-IPN, Mexico
1997	Instructor Recognition II by District Government Arnsberg, Germany
1989	Industrial-Master-Metal at Industrial Chamber of Commerce, Cologne, Germany
1988	Welding Engineer DVS, German Welding Association, Germany
1988	Vocational Degree Metal Welder DVS, German Welding Association, Germany
1986	Vocational Degree Dreher at SMS Schloemann Siemens AG, Germany

## CERTIFICATE

2002	process engineering for PhD course, Prof. Dr.-Ing. habil. Johannes Wilden, Technical University of Ilmenau, Germany
2002	materials science for PhD course, Univ. Prof. Dr.-Ing. habil. Bernhard Wielage, Technical University of Chemnitz, Germany

## SCIENTIFIC REFERENCE

2012	for NRW-Innovation Award 2012, Univ.-Prof. Dr. Rüdiger Bormann, President of the University of Bayreuth, Germany
2012	for NRW-Innovation Award, Univ. Prof. Dr. Hans-Jörg Fecht, Director at the Ulm University, Germany

## PUBLICATIONS | PROJECTS

Prof. Zoz holds a number of patents and trademarks, (co)authored more than 50 papers and has been teaching at numerous universities and institutes. Zoz (co-) organized several international conferences and workshops (OZ-symposia, PTECH). He is a member of several international advisory boards and has a long standing history of managing national and international projects in the field of materials science and process engineering being responsible for a number of acknowledged inventions (CMB-materials, cycle operation, NdFeB-magnetic filter system, Zentallium<sup>®</sup>, Hydrolium<sup>®</sup>, H2Tank2Go<sup>®</sup>, ZoLiBat<sup>®</sup>, FuturZement|FuturBeton and other).

## HONOURS | AWARDS

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2018	Desiderius-Erasmus-Foundation, appointed to the Board of Trustees (Kuratorium)
2018	European Academy of Sciences and Arts, appointed Full Member
2014	Member of the Board of EUREKA Cluster EUROGIA2020
2013	Nomination for the German Environmental Award "Power to Gas to Fuel" P2G2F <sup>®</sup>
2013	PMAI Fellow Award, Mumbai, India
2013	Design of EuroNano Award 2013 (Nanotech Europe, Zentallium <sup>®</sup> & FuturBeton), Dublin
2013	Member of the BAST Innovation Arena, German Federal Office for Street-affairs
2013	Member of the Board of NMWP Cluster (Nano-Micro-Materials-Photonic)
2013	Member of the Board of "Nano in Germany"
2012	Innovation Award Sauerland, Iserlohn, Germany, for H2Tank2Go <sup>®</sup> -system & infrastructure
2012	Ibero-American Silver Award, Zacatecas, Mexico
2012	Deputy Chairmen of M-E-NES, demonstration city electro-mobility Bad Neustadt/Saale, Germany
2011	Manager of The Year, South Westphalia Agency, Iserlohn, Germany
2011	Member of Mobility Experts Group, Ministry of Innovation, Science & Research, NRW, Germany
2010	Member of Board of M-E-NES, demonstration city electro-mobility Bad Neustadt/Saale, Germany
2010	Materialica-Award, Munich, Germany, super light-weight material Zentallium <sup>®</sup>

## MEMBERSHIPS

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Prof. Zoz is the first non-Korean member of the Korean Powder Metallurgy Institute, a member of the Metal Powder Industries Federation, the German Powder Metallurgy Association, the German Ceramic Society, the German Enamel Association, the Powder Metallurgy Committee of the Chinese Society of Metals, the Powder Metallurgy Association of India as well as a member of the center of excellence in fuel-cells NRW and multiple Cluster organizations. Zoz is one of the founders and main organizers of the International German-Japanese Symposium on Nanostructures.

## POLITICAL NETWORK

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Mostly due to his pioneering work in nanoscience & engineering for green- and cleantech, Prof. Zoz entertains a major personnel network not only to relevant research & industry but also to political leaders such as ministers, federal ministers, nation Presidents, EU-Commissioners, Ambassadors and Envoys.

## CONFERENCE CONTRIBUTIONS (2017)

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- Applied Smart Materials for Automotive 2017 (ASM2017), Stuttgart
  - Sigrambia et Alemannia, 65. Stiftungsfest, ceremonial/Festvortrag, Eitorf
  - 102a Reunión de la Asociación Física Argentina (RAFA2017), ceremonial, LaPlata
  - 16th Int. Conf. on Rapidly Quenched & Metastable Materials (RQ16), Leoben
  - EuroNanoForum 2017, La Valletta
  - 24th Int. Symp. on Metastable, Amorphous and Nanostructured Materials (ISMANAM2017), San Sebastian
  - 20. Materials Day VDI, Osnabrück
  - Essener Energieforum 2017, Essen
  - tech transfer Forum HMI2017, Hannover
  - 4th Int. Conf. on Powder Metallurgy in Asia (APMA2017), Hsinshu

## MAJOR ACHIEVEMENTS

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2016	First commercial complex reactive MH H2-tank (LiBH4+MgH2, co. with HZG)
2015	Dandelion rubber generation in pre-industrial scale (co. Fraunhofer IME)
2014	Nanostructured Ferritic Alloy 14YWT in pre-industrial scale (co. GE)
2013	Invention of Stromkoffer IronBird (solidstate Hydrogen power-box, co. Airbus)
2012	First public bridge by nanostructured cement (FuturBeton, co. Uni Sgn, Dyckerhoff)
2012	Design/model Power to Gas to Fuel (P2G2F <sup>®</sup> )
2011	Design/model of baseload-able renewable power-plant

- 2010 HKP-processing of 3gen. Li-Ion cathode (ZoLiBat<sup>®</sup> co. with HPL, CEA & Prayon)
- 2010 Invent & commercializing RT-MH H<sub>2</sub>-tank (H<sub>2</sub>Tank2Go<sup>®</sup>)
- 2009 Invent & commercializing Al-CNT composite bulk (Zentallium<sup>®</sup>)
- 2002 Solid state decontamination of Dioxin in pre-industrial scale (co. Univ. Oldenburg)
- 2001 Modeling flake-/solid solution formation Ag-Cu (DMF), modeling MA
- 2000 Design & commercializing NdFeB high performance magnetic filter
- 1997 Semi-continuous HKP-DMF in industrial scale (co. Fukuda Japan)
- 1996 Invention semi-continuous HKP, carrier-gas model
- 1996 Design/invention of HKP-operating software (MALTOZ<sup>®</sup>)
- 1996 Invention of cycle-operation for HKP
- 1995 Invention of Ask draingrating, multiphase flow separation under vacuum
- 1995 Invention of ceramic milling tools in HKP
- 1994 Design/commercializing industrial HKP (High Kinetic Processing, Simoloyer<sup>®</sup>)