

## Curriculum Vitae

### Martin Winter



#### Contact Details:

University of Münster (WWU)  
MEET Battery Research Center,  
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&  
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#### Current positions

- Full Professor, Institute of Physical Chemistry at WWU Münster
- Director of the Helmholtz-Institute Münster (HI MS) 'Ionics in Energy Storage'
- Scientific Director of MEET Battery Research Center
- Head of the Competence Center 'Battery Technology' of the State of North-Rhine-Westphalia (NRW)
- Spokesperson: German Battery Research

#### University education and previous positions

- Since 2016: W3 Full Professor: Chair of Materials Science, Energy and Electrochemistry
- Since 2013: W3 Full Professor:  
Chair of Applied Materials Science for Electrochemical Energy Storage and Conversion
- 2008-2012: Endowed W3 Full Professor;  
Sponsors: Evonik Industries, Rockwood Lithium (formerly Chemetall), Volkswagen AG
- 2007: Full Professor and Head of Institute, Institute of Chemical Technology of Inorganic Materials, Technical University (TU) Graz, Austria
- 2000-2007: Univ.-Prof., Extraordinarius, TU Graz; since 2006: Vice-head of institute
- 1996-1999: University Assistant, TU Graz; 04/1999 Habilitation,  
venia legendi for Applied Inorganic Chemistry and Electrochemistry
- 1995-1996: Post-Doctoral Research Fellow at the Paul-Scherrer-Institute, Switzerland  
(Prof. Petr Novák)
- 1993-1995: Ph.D. Thesis at the Institute for Inorganic and Analytical Chemistry at WWU Münster  
(Prof. J. O. Besenhard)
- 1986-1992: Chemistry Studies at WWU Münster

## Scientific output (selected)

- 42 patents and patent families + numerous patent applications pending
- >330 articles in journals and books; (>270 in peer-reviewed journals)
- 2016: Among the Top 150 most cited scholars in energy research: Elsevier Scopus
- 2016: 'Highly Cited Researcher': Shanghai Ranking
- 2014, 2015 and 2016: 'Highly Cited Scientist': Institute for Scientific Information (ISI, Thomson Reuters, Web of Science)
- 2008: 'Among the Top 25 Highly Cited Authors in Energy & Fuels, 1998 – 2008' (ISI)
- >270 invited, tutorial, keynote and plenary presentations
- Conference and symposia organizer/chairman on an annual basis:
  - Advanced Automotive Conference (AABC), Symposium Chair (2x per year)
  - Battery Day NRW, Scientific Chairman (with Prof. Sauer, RWTH Aachen)
  - Advanced Battery Power, Scientific Chairman (with Prof. Sauer, RWTH Aachen)
  - Batterieforum Deutschland, Chairman of the Scientific Board
  - Status Seminar: Batterie2020 Project Initiative of the BMBF (Spokesperson and chairman)

## Coordinator/Leadership activities in the past 10 years (selected)

Since 06/2016:	Head of the Scientific Advisory Board of Battery Research of the German Ministry of Education and Research (BMBF)
Since 06/2016	Vice-President of International Meeting on Lithium Batteries (IMLB) LLC
Since 10/2015:	Inter(-national) Spokesperson of the Project Alliance 'Batterie2020' (BMBF, GER)
Since 10/2014:	Board member of the Battery Division of The Electrochemical Society
Since 03/2014:	Board member of the competence network lithium ion batteries ('KLIB')
Since 05/2013:	Head of the scientific advisory board of Batterieforum Deutschland
Since 05/2010:	Member of the National Platform E-Mobility (NPE)
2009 - 2013:	Spokesperson of the Innovation Alliance LIB2015 of the Federal Ministry of Education and Research (GER); Coordinator of the Status Seminar: LIB2015 Innovation Alliance of the BMBF
2009 – 2011:	Spokesperson of the Competence Alliance North 'Electrochemistry and E-Mobility' of the Federal Ministry of Education and Research
12/2008:	Coordinator of the Task Force 'Battery Technology' within the National Development Plan E-Mobility
2007 – 2012:	Chair of Division 3 'Electrochemical Energy Conversion and Storage' of the International Society of Electrochemistry (ISE)
2007 – 2010:	Board member of German Chemical Society (GDCh); Division: Electrochemistry
2006 – 2010:	President of the International Battery Materials Association (IBA)
Since 06/2006:	Member of the Board of Directors of the IBA

## Honors, awards and recognitions (selected)

2016:	MEET Battery Research Center awarded (renewal) as WING Excellent Battery Center (German Ministry of Education and Research, BMBF)
2016:	Invited Plenary Lecture on the Occasion of 25 <sup>th</sup> Anniversary Celebration of the Lithium Ion Battery at the 216 <sup>th</sup> Meeting of The Electrochemical Society (ECS)
2015:	Carl Wagner Memorial Award of the ECS
2015:	Battery Research Award of the ECS
2015:	Fellow of the International Society of Electrochemistry (ISE)
2015:	Technology Award of the International Battery Materials Association (IBA)
2014:	Honored by ECS Trading Card (among the first 50 recipients)
2013:	Fellow of the ECS

- 2012: MEET Battery Research Center awarded as WING Excellent Battery Center (BMBF)
- 2012: MEET recognized as 'Site of Progress' ('Ort des Fortschritts') by the State of NRW (MIWF)
- 2012: MEET recognized as 'Germany at its Best', by the State of NRW (MWEIMH)
- 2012: MEET awarded with 2 lighthouse projects (Lithorec and Safebatt) of the German National Platform E-Mobility (NPE)
- 2012: Lu Jiayi Lectureship, Xiamen University, China
- 2007: Guest Professor at Tel Aviv University, Israel
- 2003: Austrian Kardinal Theodor Innitzer-Award in Natural Sciences
- 2002: Battery Division Technology Award of the ECS
- 2002: Austrian Josef-Krainer-Award for Chemical Technology
- 2001: Research Award of the IBA
- 1999: Guest Professor at the University of Thessaloniki, Greece
- 1997: Award of the Division of Applied Electrochemistry of the German Chemical Society (Gesellschaft Deutscher Chemiker) for the best Ph.D. thesis in the 3-year term 1995 – 1997
- 1995: Excellence Award of WWU Münster for an outstanding Ph.D. exam

## Founding of spin-off institutions

Founding Director of MEET Battery Research Center

Founding Director of Helmholtz-Institute Münster HI MS 'Ionics in Energy Storage'

## Editorial positions

- 2012 – 2014: Editor 'Batteries and Energy Storage', Journal of the Electrochemical Society / ECS Electrochemistry Letters
- 2004 – 2011 Associate Editor: Journal of the Electrochemical Society

## Editorial advisory board member

- Advanced Energy Materials (Wiley, Founding member of the board), Journal of Power Sources (Elsevier) Ionics (Springer), Energy Storage Materials (Elsevier), Journal of the Electrochemical Society (2004 – 2014), ECS Electrochemistry Letters (2004 – 2014)

## Advisory board member (selected):

- Active member of the scientific advisory boards of:
  - The Joint Center for Energy Storage Research (JCESR), Energy Hub of the DOE at Argonne (USA)
  - The Swiss Competence Centers for Energy Research (SCCER),
  - Israel National Research Center for Electrochemical Propulsion (INREP),
  - Energieforschungszentrum Niedersachsen (EFZN), Energy Research Center Lower Saxony, Germany
- Past member of the advisory board of the Fraunhofer Institute ISC in Würzburg (2008-2014)