

# Curriculum Vitae: Univ. Prof. Dr. phil. Dr.h.c.mult.Tilmann MÄRK

## **Leopold Franzens Universität Innsbruck, A 6020 Innsbruck, Austria**

### Private and Education:

- 1944: Born in Seefeld/Tirol, Austria  
1962: Matura, Bundesrealgymnasium Innsbruck  
1968: PhD in Physics/Physiology, Institut für Experimentalphysik, Universität Innsbruck (Rigorosum mit "Einstimmig Ausgezeichnet")  
1977: Marriage with Hiltraud Zuegg  
1981: Birth of son Lukas

### University:

- 1968 - 1969: Postdoctoral associate, Institut für Atomphysik, Universität Innsbruck  
1969 - 1971: Max Kade Research Fellow, Dept. Electrical Engineering, Minneapolis, USA  
1971 - 1976: Univ.Ass at Institut für Atomphysik, Universität Innsbruck  
1973-1974: Chair Assistentenverband Innsbruck  
1976: Habilitation for Experimental Atomic Physics  
1976 - 1978: Chair Assistentenverband Innsbruck and Member (Dozentenvertreter) of the Academic Senate of the University Innsbruck  
1979: Senior guest scientist at FOM (2 months), Amsterdam  
1979 - 1980 Senior Visiting CIRES Fellow and Fulbright Scholar, Dept. Chemistry, University Colorado/NOAA, Boulder, USA  
1980 -1986 a.o.Univ. Professor at the Institut for Exp. Physics, University Innsbruck  
1983: Guest Professor of Chemistry (6 months), Penn State University, PA, USA  
1985: Guest Professor (1 Semester), Fakultät f. Physik, Universität Konstanz  
1986: Guest Professor at PMF Beograd (1 month)  
1987 -2009 Univ. Professor at the Institut of Ion Physics, University Innsbruck  
1993-2005 Head (Vorstand) of the Institut of Ion Physics, University Innsbruck  
1995: Full professorship offer at the Institut f. Experimentalphysik, Univ. Graz declined  
1997: Full professorship offer ("Rudolf-Seelinger-Professur") at Univ. Greifswald declined  
1998- Part time guest professor at Dept. Plasmaphysics, Univ. Bratislava  
2001-2003 Chair Fachgruppe Physik, Faculty of Science, University Innsbruck  
2001-2003 Chair Science Faculty (Fakultätsvorsitzender), University Innsbruck  
2001-2004 Chair of Electronic and Atomic Collisions Section and member of Atomic and Molecular Division of European Physical Society (EPS)  
2003 - 2011 Delegate at Austrian Science Foundation ( FWF)  
2003 - 2011 Vice Rector for Research, Leopold Franzens University of Innsbruck  
2004 - 2007 Dean of the Faculty of Architecture at LFUI  
2005: Vicerektor für Student Affairs, LFUI (2 months)  
2011-2012 Acting Rector, Leopold Franzens University Innsbruck

2012- Rector, Leopold Franzens University Innsbruck  
2018-2022 Mitglied des Deutschen Akkreditierungsrats

#### Awards:

1979: Research Award from the city of Innsbruck  
1994: Golden Medal Price, Faculty Mathematics/Physics, University Bratislava  
1994: Erwin-Schrödinger Price of the Austrian Academy of Science, Wien  
1996: SASP-Schrödinger Award 1996, Engelberg, Schweiz  
2004: J.Heyrovsky Honorary Medal for Merit in the Chemical Sciences, Academy of Sciences of the Czech Republic, Praha  
2004: Honorary doctoral degree, Dr.h.c. Universite Claude Bernard, Lyon  
2004: Golden Medal Award from the Comenius University of Bratislava  
2006: Honorary doctoral degree, Dr. h.c. Comenius University, Bratislava  
2007: UPV Price by the Austrian University Professor Association  
2008: Elected member of German Academy of Sciences Leopoldina, Halle (Saale)  
2009: Wolfgang Paul Lecture Award, DGMS, Konstanz  
2013: Chevalier de la Legion d'Honneur, France  
2014: Großes Goldenes Ehrenzeichen für Verdienste um die Republik Österreich  
2014: Senator honoris causa, Freie Universität Bozen  
2015: Ehrensensator, Privatuniversität UMIT, Hall  
2015: President's International Medaillon of Distinction, University of New Orleans  
2016: Ehrenzeichen des Landes Tirol  
2018: Dissociative Electron Attachment Club Distinguished Service Award

#### Industry:

1977 -1992 Board member, Zuegg company, Lana, Italy  
1992 -2013 President/Vice-president and CEO board of Zuegg companies: Italy, Germany, France, Russia  
1986: Founding member of spin-off company Ionentechnik, Innsbruck  
1998: Founding member of spin-off company Ionicon, Innsbruck  
2001-2011 CEO: Ionicon Analytik (PTR-MS), Innsbruck  
2003: Founding member of spin-off company Hansel und Co., Innsbruck  
2003: Founding member of spin-off company Ionimed, Innsbruck  
2004-2008 CEO: ABT GmbH, Innsbruck  
2008- CEO: Universität Innsbruck Beteiligungsgesellschaft mbH, Innsbruck

#### Further professional university related activities:

- Member of the editorial board of:  
International Journal of Mass Spectrometry,  
Contributions to Plasma Physics,  
Acta Physics Universitatis Comenianae,  
Recent patents on food, nutrition and agriculture,  
Journal of Atomic, Molecular, and Optical Physics
- Member of many international scientific committees,  
Organization of many international conferences,  
Referee for many international journals and national scientific foundations,

Advisor for the IAEA and ICRU,  
Member of Strukturkommission des BWF 1990/91 reviewing the physics departments  
in Austria,  
Member Kuratorium Forum Alpbach  
Member Steering Committee ÖAW-Euratom Association  
Member Südtiroler Rat für Wissenschaft, Forschung und Innovation der Autonomen  
Provinz Bozen-Südtirol  
Member des Präsidiums der UNIKO

- Appr. 800 publications in international refereed journals (appr. 30 in Nature, Phys.Rev.Lett., Angewandte Chemie Int.Ed., etc.) and books,  
More than 280 invited lectures at international conferences,  
More than 900 contributions (oral and poster) at international conferences,  
Editor of several books and special journal issues.

More than 18 500 citations and h-index of 65

- Thesis supervisor of more than 150 PhD and Diploma students
- From 1976 up to 2003 regular lectures in the amount of at least 12 hours per week (including main lectures, special lectures, seminars, and lab courses in the field of atomic physics, nuclear physics, solid state physics, radiation physics, mass spectrometry, cluster physics, etc.) in Innsbruck.  
In addition lectures courses at University of Salzburg, Bratislava, Beograd, Konstanz and at the Penn State University.  
Since 2003 reduced load of lecturing.

Active research interests:

Physics and chemistry of clusters  
Physics and chemistry of plasmas  
Mass Spectrometry  
Electron and ion physics  
Radiation physics  
Biophysics  
Environmental physics and analytic chemistry  
Food science  
Tacit knowledge in science