



# Curriculum Vitae

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**Dr. rer. nat. Markus Hermann Ludwig**

Date of birth: 18.03.1967

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## **Profile:**

- Proven competence in setting up, integrating , motivating and leading of distributed interdisciplinary and multicultural departments
- Extended experience in communicating complex structures to diverse auditory (preparation and presentation of board proposals and university lectures, several awards for publications)
- Strong competence in the technology area and high affinity to innovative products
- Experience in working out technology roadmaps, the derived innovation strategy and the transfer into market and customer oriented demonstrators and products
- Excellent analytical, cross-linked, visionary and lateral thinking
- Very strong market and entrepreneurial orientation and customer understanding (Award: 'Sales Person of the Year')

## Professional Experience:

- 2007 - today **University teaching position** (FH München – Department for Physics)
- 2006 - today **Advisory Council on science and strategy** (Therapy Centre RoSana GmbH)
- 2001 - 2006 **Department Leader - Director for User Experience and Multimedia** (Siemens AG / BenQ Mobile Group)  
Since 2003 department leader in the mobile phone Business Unit as Director for Internet and Application Technologies and Director for User Experience and Multimedia (ca 40 employees and PhD Students)
- Business Development Manager** (Siemens AG)  
Between 2001 and 2003 responsible for Business Development for the Biometrics Department of Siemens AG including revenue, sales and managerial responsibilities
- 1999 - today **Advisory Council on science and technology** (GlucoMetrix AG – Medical Technology)
- 1998 - 2001 **Partner Channel Manager and Produkt Manager** (Skytale Data Security Solutions GmbH. & CoKG / Veridicom Inc)  
Starting in Feb 1998 as a consultant for Skytale in Hamburg. Since April 1998 Partner Channel Manager including Product Managing tasks. Since end of 1998 shareholder of Skytale.
- Technical Sales Manager** (Veridicom Inc)  
After the merger in 2000 with Veridicom, Inc, Santa Clara, CA, responsible for sales (incl. revenue) in the complete Western European area and reporting directly to the VP of Sales in the USA
- 1995 - 1997 **Research Assistant** (Ludwig-Maximilian-Universität München – Applied Physics, Prof. H. E. Gaub)  
Research assistant in the biotechnology and scanning nearfield group of Prof. H.E. Gaub. Cooperation with other scientific groups i.e. Harvard Medical School, Stanford, Berkeley. 1995 Planning and building up of the institute for applied physics at the Ludwig-Maximilians-Universität in Munich
- 1994 - 1997 **Founder and member of the scientific staff of the Company MiNT** (Microscopy, Nano- and Surface-Technology)

## Awards:

- 2006 **Outstanding Paper Award**, 1st IEEE International Conference on Next-Generation Wireless Systems ICNEWS 2006, Bangladesh 2006
- 2000 **‘Sales Person of the Year’**, Veridicom, Inc.
- 1999 **Award** for successful and innovative partner management, Skytale GmbH
- 1998 **‘Silbernes Tipizelt’** (badge of honour) of the protestant youth for long term successful and intensive engagement
- 1997 **Biographical Record Certification** of the Marquis Who’s Who publication board
- 1996 **Best Poster of Meeting:** ‘Analyzing Protein Patterns by their Functionality’, COST (Cooperation of Science and Technologie) - Conference on Organized Structures at Interfaces, Stockholm, Sweden 1996
- 1996 **Best Poster of Session:** ‘Abbildung spezifisch funktionalisierter Oberflächen mit dem AFM’, Deutsche Gesellschaft für Biophysik, Jahrestagung 1996 in Leipzig

### **School Attendance / University Education / Doctorate:**

- 1994 - 1997 **Ph.D. Thesis** in Biotechnology and Nanotechnology („New Operating Modes in Atomic Force Microscopy for the Analysis of single Molecule Properties“) at the institute for Applied Physics of Prof. H. E. Gaub of the Ludwig-Maximilians-Universität with the final grade „magna cum laude“ (1.0-1.4)
- 1987 - 1994 **Physics Student** at the Technical University Munich  
1993-1994 Diploma Thesis („**Electrochemistry and Scanning Nearfield Microscopy**“) at the Physics Department, Institute for Biophysics (Prof. Dr. E. Sackmann). Reaching the final grades „**Sehr Gut**“ (1.5) and „**Diplom-Physiker**“ in january 1994
- 1986 Reaching the „Allgemeinen Hochschulreife“ (university-entrance diploma) with the grade 1.6

### **Other Activitiess:**

- 2003 - today Trainer for the Volleyball Team TV Planegg-Krailling
- 2003 - today Appointment as a member of the supervision board for the association “Jugendsiedlung Königsdorf e.V.” (largest adolescent education site in Bavaria with more than 50.000 accommodations / year). Since 2007 acting as financial auditor
- 1997 - today Reviewer for the bbsrc (biotechnology and biological sciences research council, England) and the Israel Science Foundation
- 1991 Founding of partnership between catholic youth organizations in Namibia and Germany
- 1990 Practical experience and continuing education (including exams) in the nuclear medicine, CT (Computer Tomography) and NMR (Nuclear Magnetic Resonance) department of the hospital „Rechts der Isar“
- 1983 - 1999 Member of protestant youth organization in Munich. Leading child and youth groups for more than 14 years. Since 1993 member in the organization team leading a youth group of more than 300 children camping once a year in a nature reserve
- 1982 - 1993 Playing volleyball at VfR Garching

### **Other Interests:**

Volleyball (beach and hall), sailing, Tai Qui Quan, Reiki, traveling, motorcycling, performance arts

München, 18.05.07