

Hitachi San Jose Research Center
3403 Yerba Buena Rd
San Jose, CA 95135
Phone: (408) 717-5240
Fax: (801) 365-6822
Email: AndreasMoser@moser-sj.com
www: <http://www.moser-sj.com/professional>

Andreas Moser

- Experience** *1998–present* *Hitachi San Jose Research Center
(formerly IBM Research, Storage Systems &
Technology and Science & Technology) San Jose*
- Research Staff Member**
- Investigated magnetic recording physics of longitudinal, perpendicular and thermally assisted recording systems, and bit patterned media
 - Performed areal density demonstrations in close collaboration with head, media and modeling groups
 - Invented new magnetic recording media architectures
 - Developed and improved instrumentation, software
 - Mentored recording engineer, lead several postdoctoral fellows
 - Conceived new storage concepts
 - Used the following instrumentation: spinstand, disk drive, magnetic force microscopy, micromagnetic modeling, static write/read tester
- 1996–1998* *IBM Research, Science & Technology San Jose*
- Postdoctoral Fellow**
- Investigated dynamic coercivity, thermal stability of recording media
 - Designed and built static write/read tester
- Education** *1991–1996* *Physics Dept., University of Basel Switzerland*
- Ph.D. Thesis on “Investigation of High- T_c Superconductors using Low Temperature Magnetic Force Microscopy” (Advisor: Prof. H.J. Güntherodt) in 1995
 - Graduated Summa Cum Laude
 - Built low-temperature magnetic force microscope, imaged vortices in High- T_c Superconductors
 - Master’s degree (Major: Physics, Minors: Chemistry, Mathematics)
- Additional Qualifications**
- Extensive experience in laboratory automation (software and hardware)
 - Excellent programming skills (MatLab, LabView, VB, Java, C, TCL)
 - Courses in project management / leadership
 - Languages: German (native), English (excellent), French (fluent)
- Publications & Patents** More than 60 publications in peer-reviewed scientific journals, 1 book chapter, 8 issued patents