

RESUME

Reinhard Metz
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Member of Technical Staff and Technical Manager at Bell Laboratories, AT&T, and Lucent Technologies through July, 2001. After leaving Lucent, established business (A and T Labs) to provide consulting and design services.

Consulting Experience

- Intellectual Property
- Analog and digital design
- Product development
- Project reviews and evaluation
- Engineering problem solving

Bell Labs/Lucent work background

1972-1996 A.T.&T. Bell Laboratories, 1996-July 2001 Lucent Technologies

1998 – July 2001: Technical Manager responsible for switching system evolution and architecture planning, including evolution to integrated voice/data products

1992 - 1998: Technical Manager responsible for architecture planning of Network Systems embedded processor products.

1987- 1992: Supervisor of 4ESS (AT&T Long Distance Switch) Architecture Planning and Resources Group

1980 to 1987: Development and Forward Looking Work Manager

1972-1980: Hardware development engineer

SUMMARY OF SKILLS AND EXPERIENCES:

- **Technical**
 - Have six patents
 - Microprocessor/microcontroller technology and application software design
 - Digital and analog hardware design/development
 - Power circuit and switching power supply design
 - Speech encoding/processing, quality of service
 - Electromagnetic compatibility engineering and testing
 - Fault tolerant design, engineering and analysis for ultra-high reliability
 - ATM, SONET, IP protocols
 - Packet switching, router and ATM switch technology
 - Standards: CCITT SGVIII, Telcordia Switching Reliability Requirements
 - Digital filtering
- **Management and other:**
 - Senior member IEEE

- Founding member and member of the board of directors of System Architecture Review Board at Bell Labs and Lucent, participating as Leader, Angel, and reviewer for numerous project reviews
- Management of medium size hardware & software development teams
- Strategic product planning
- Management of system architecture definition
- Extensive presentation/communication/customer interface experience
- Manufacturing interface, vendor management
- Management of forward looking work, applications research
- Budget management (managed budgets up to \$8M), business analysis
- CCITT and Telcordia standards processes
- Reliability process experience
- Speak, read, write fluent German

PUBLICATIONS

- Bell Labs Technical Journal article – Success in Processor Multi-use
- Bell System Technical Journal - 4ESS Clock synchronization
- International Communications Conference - Data Bridge article
- Audiographics Teleconferencing Using the Network Services Complex, Presentation at the University of Wisconsin
- Six Radio Electronics, Electronics Now magazine articles
- Custom Planes article on Atmospheric Electricity and effects on small planes
- Custom Planes article on Homebuilt post-completion issues
- Custom Planes article on panel light dimming circuits

EDUCATIONAL BACKGROUND

BSEE, Illinois Institute of Technology, 1972

MSEE, University of Illinois/Champaign-Urbana, 1973

Personal

Married, two children in college, instrument rated private pilot. Swim, ski.