

# Eric Wenocur

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## Curriculum Vitae

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### Professional Activities

#### Owner/Principal, Lab Tech Systems

Consulting engineer for broadcast, television production and professional audio, plus commercial and residential A/V. Primary focus is video and audio system design, installation and troubleshooting. LTS has been in existence since 1980, and became my sole occupation in 1993.

Please see [lab-tech-systems.com](http://lab-tech-systems.com) for info about projects and activities.

#### Staff Engineer / Chief Engineer

KLM Video, Inc. Bethesda, MD 1984 to 1993

Engineer for video and film post-production facility. Responsibilities included system design and troubleshooting; video and audio equipment maintenance (hardware and software, to component level); equipment installation, modification and design. Oversaw Engineering department staff, quality control and parts inventory. Participated in staff training by preparing instructional materials and conducting classes on equipment theory and operation.

#### Studio Tech and Recording Engineer

Roar Productions, Inc. Columbia, MD 1980 to 1995

Staff technician and recording engineer for commercial multitrack audio facility. Designed and supervised construction of an 8/16-track studio in 1982 and a 24-track studio, featuring a LEDE control room, in 1990. Responsibilities included all facets of studio design and maintenance, as well as session engineering. Taught courses in "Critical Listening," "Mixing Console Operation" and "Studio Maintenance" for Roar's School of Recording Technology.

#### Musician/Professional Musician/Producer

On and off over the years

Performed on piano and keyboards with jazz and commercial groups. Led a jazz trio for 3 years in the early 1980s (recipients of 1980 *Downbeat* magazine Student Recording Award). Wrote, arranged, produced and performed on recording projects including jingles and commercial music sessions.

**AES Convention, 2013:** Presentation on Facility Technical Management

**Winter Olympic Games, Nagano, 1998:** Support engineer, CBS facility at Int'l Broadcast Center

**University of Guam, 1997:** Workshop on Video Maintenance Basics for U.S. Dept. of Interior

**NAB Convention, 1990, 1991:** *Video Systems* magazine "Pick-Hits of NAB" committee

**AES Convention, 1989:** Workshop: "Video Sweetening Basics for Audio Engineers"

**Other presentations and workshops:** TV Tech Basics, Technical Management and related topics for AMIA, BICSI, TIVA, GVExpo

## Articles

- “Not Power, Not Ethernet, What is It?,” *ICT Today* (journal of BICSI), 2015
- “Analog Audio Interfacing,” *AV Technology*, November 2013
- “Why Aren't My Picture and Sound in Sync? The Coming Crisis in Technical Knowledge,” *The Spectator* (Univ. of Southern California Journal of Film and Television Criticism), January 2004
- “Systems Design Showcase: Non-linear HD Editing,” *Broadcast Engineering*, January 2003
- “Power & Grounding: Unconventional Approaches,” *Broadcast Engineering*, September 1996
- “Ins and Outs of Patchbays,” *MIX*, August 1994
- “SC/H Phase and Color-Framing,” *Broadcast Engineering*, November 1992
- “1992 National Audio Test,” *Recording Engineer/Producer*, July 1992 (editor/writer)
- “Modern Deals,” *Recording Engineer/Producer*, May 1992 (article on record industry)
- “Studio Handbook (Timecode/Video Tips),” *Recording Engineer/Producer*, October 1991
- “Interfacing Audio to VTRs,” *Recording Engineer/Producer*, October 1990
- “Video Sweetening Basics for Audio Engineers,” *MIX*, April 1989

## Memberships & Affiliations

- Audio Engineering Society, AVIXA (formerly Infocomm)
- Society of Motion Picture and Television Engineers (2016 Citation for Outstanding Service to the Society)

## Professional Statement

My work experience and other interests have given me a wide knowledge of subjects relating to media technology. Examples include television editing, graphics and animation, colorimetry, music recording, film sound, acoustics, sound reinforcement, facility design and construction, facility management, technical management, architecture and construction trades, tools and machining, and electronic hardware design.

This broad range of technical knowledge increases my ability to contribute to creative undertakings, while my own artistic experience, and aesthetic sensibilities, bring useful perspective to the design and implementation process. I've found that understanding how technology actually works sometimes makes it necessary to question the norm, rather than relying on “conventional wisdom” to develop design strategies.

I'm a well-organized and detailed thinker, bringing passion to my work and personal activities through attention to detail and concern for integrity in conception and action. I strive to produce quality work without losing sight of the desired goals, and try to balance a commitment to personal standards with the recognition that all situations have practical limits.

## Related Experience and Interests

Vectorworks CAD, Excel, Word, Powerpoint; applications for web design, network troubleshooting, video editing, audio recording and processing. Extensive knowledge of peripherals and hardware interfacing, IT and networking concepts and technologies.

Personal interests in music, visual arts, performing arts, architecture and interior design, industrial design and infrastructure, literature, humor, philosophy, wildlife and animal welfare.

## Recent Equipment Experience Summary (2/21)

Following is a general list of equipment I have designed into systems, configured, or been called in to troubleshoot somewhat recently. Going back 35 years, there's no way to account for all of it!

**Production switchers:** Ross Carbonite (various), Ross Synergy, Datavideo, Blackmagic, Newtek Tricaster, Broadcast Pix, Telestream Wirecast

**Video servers/processors:** AQ Broadcast, 360 Systems, GVG Turbo, Telvue, Imagine Selenio (and Digital Rapids), Video Clarity, Archimedia, Telestream Vantage

**Routing switchers:** Utah Scientific, AJA, Blackmagic, Harris/Leitch, Matrix Switch Corp., Intelix

**Multiviewers:** Apantac, Miranda Kaleido

**Video cameras:** Panasonic/Sony/Datavideo robotic, Panasonic/Sony/Hitachi studio/ENG/box, Blackmagic, Sony A7

**Camera robotics:** Telemetrics heads/controllers (current and legacy), Panasonic heads/controllers

**Prompters & clocks:** Autoscript, Autocue, ESE, Masterclock

**Broadcast monitors & displays:** Sony, Panasonic, TV Logic, Flanders, Canon, Wohler, JVC

**Projectors & screens:** NEC, BenQ, Panasonic, Epson; Draper, Da-Lite

**Image processing/playback:** TV One (Coriomaster and other), Teranex, AJA FS, Barco, Analog Way, AJA KiPro, Atomos, Brightsign

**Video infrastructure:** Frames, cards and modules from Cobalt, Apantac, AJA, Blackmagic, Ensemble Designs, Grass Valley, Ross, Evertz, Atlona, Altinex, Intelix, Aurora

**Captioning:** Evertz, EEG, Link, Enco EnCaption

**Fiber transport:** Riedel Mediornet, Multidyne, AJA, Cobalt, Ensemble Designs, Evertz, Artel

**Audio mixers & control surfaces:** Soundcraft SI, Allen&Heath Qu, Behringer X32, SSL C10, QSC Touchmix, numerous analog; Avid/Pro Tools D-Command, C24, S6

**Audio DSP:** Sennheiser SPN, Bose, MediaMatrix, Biamp Nexia, Yamaha YVC

**Audio monitoring:** Genelec, JBL, KRK, Blue Sky, Dangerous Audio, SPL, Mackie, Presonus, Coleman

**Intercom:** RTS, Clearcom, Riedel, JK Audio

**ISDN/Telco:** Telos Zephyr/One/Six, JK Audio, ClearOne, Comrex Opal, Tieline BridgeIT

**Video & Audio Editing:** Avid, Premiere, Final Cut, Pro Tools, Audition, Audacity

**Teleconference:** Polycom, Tandberg, Cisco, Newtek Talkshow, Vaddio AV Bridge, Zoom

**Network switches & routers:** Cisco, Netgear, DLink

**KVM:** Aten, Adder, Raritan, Rose

**NAS & RAID servers:** Synology, Promise, Facilis, Avid Isis/Interplay

**Media transport & streaming:** LTN Global, Verizon AVOC, Videolink Readycam; MediaKind (Ericsson), DVEO, VBrick, Datavideo, AJA