

Michael Frank Korpi

Film & Digital Media
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EDUCATION:

- 1983 Ph.D., Communication Studies**, University of Iowa, Iowa City, Iowa. Dissertation:
Televangelism--Predictors of Support.
Advisor: Samuel L. Becker.
- 1977 M.A., Broadcasting and Film**, University of Iowa, Iowa City, Iowa.
- 1975 B.S., English**, Lynchburg Baptist College, Lynchburg, Virginia.

APPOINTMENTS:

Baylor University, Waco, Texas

Current:

Professor, Communication Studies, 1994-
Director, Telecommunication Division, 2002-
Senior Research Fellow, IC² Institute, University of Texas at Austin, 2003-
Senior Researcher, Digital Media Collaboratory, University of Texas at Austin, 2003-
Inductee/member, Academy of Digital Television Pioneers, 2006-
Board Member, Brazos Valley Public Broadcasting Foundation, 1996-.

Past:

Chair, Communication Studies Department, 2000-2004.
Interim-Director, Institute for Technology Innovation Management, 2000-2002.
Director, New Communication Technologies Project, 1996-2002.
Associate Professor, Communication Studies, 1989-94.
Director, Telecommunication Division, 1982-92, 1996-2000.
Assistant Professor, Communication Studies, 1982-89.

University of Iowa, Iowa City, Iowa

Teaching Assistant, Rhetoric Program, 1979-81.

Liberty University, Lynchburg, Virginia

Instructor, Radio-Television-Film, 1977-79.

Wheaton Christian School, Wheaton, Maryland

Principal, Grades K-12, 1975-76.

TEACHING INTERESTS:

Media technologies, aesthetics, and production.

MEDIA PRODUCTION INTERESTS:

Documentary films dealing with the problems inhibiting the development and advancement of Third World countries.

Documentary films which explore the visual variety and excitement of automobiles, especially automobile racing.

RESEARCH INTERESTS:

Digital cinema, particularly the processes, software, and hardware involved with everything called “digital intermediate.”

The consumer’s media environment, especially the emerging networked environment in the home and other personal environments.

Video games, simulations and interactive media.

Regulation, management and policy issues involved in the adoption and diffusion of new communication technologies.

The human-computer interface in media production and post-production tools.

COURSES TAUGHT:

Introduction to Mass Communication

Video and Film Aesthetics

Film and Video Production (all levels)

Writing for Electronic and Film Media

History of Broadcasting

History of Motion Pictures

Mass Media and Society

Television Programming

Teleconferencing

Seminars and Topics courses in the following areas: Internet Video, Japanese Animation, Video Game Industry, Media Aesthetics, Media Technology, Film Persuasion, Cable Television, and Religious Broadcasting.

RESEARCH:

Principal Investigator (with Corey Carbonara and Dylan Mathis), "Effects of Ionizing Radiation on High Definition and Digital Cinema Imagers," research dealing with image degradation due to pixel loss in high resolution CCD and CMOS imagers, 2006-.

Principal Investigator (with Corey Carbonara and Andrew Donaho [IBM]), experimental Internet transmission of live two-way high-definition video conducted at the South by Southwest (SXSW) media festivals in Austin, Texas, in cooperation with the Digital Convergence Initiative, March 2006.

Principal Investigator (with Corey Carbonara), "DLNA v1.0 MPEG2-TS Test Materials," specified, produced, and encoded digital test materials to determine compliance with the Digital Living Network Alliance specifications (basically a device interoperability certification); test materials were originated and edited in HDTV, and then encoded in a variety of pixel structures, frame rates, bit rates, and audio formats for use in DLNA compliance testing, August 2005.

Principal Investigator (with Corey Carbonara), "Children's Media @ Home Technology Forecast," Baylor University and the College of Communication of the University of Texas at Austin, July 2004.

Principal Investigator (with Corey Carbonara), "Telecommunications Infrastructure Assessment for Brownsville, Harlingen and the Lower Rio Grande Valley: A Pilot Project for CBIRD-TRAC Communities' Networking and Next Generation Knowledge Networks Core Program," Baylor University, the IC² Institute of the University of Texas at Austin, and Texas State Technical College, for the Cross Border Institute for Regional Development, December 2001.

"[EnterTech Design and Delivery Technologies](#)," an analysis and recommendation of appropriate technologies for the EnterTech Project, IC² Institute, University of Texas, October 1998.

Co-author (with Corey Carbonara and Vincent Young), "The Impact of Non-Linear Editing on the Post-Production Process," *SMPTE Journal*, October 1996, pp. 641-646. Also in Friedman, Jeffrey, ed., *Moving Images: Meeting the Challenges*, White Plains, NY: Society of Motion Picture and Television Engineers, 1996, pp. 90-99.

Co-author (with Corey Carbonara), "HDTV and Motion Picture Interface: the Fast Cars Project," *HD World Review*, Volume 3, Numbers 1 and 2, 1992, pp. 20-28.

Co-author (with Corey Carbonara), "Fast Cars: Electronic and Film Origination for HDTV," in *1992 NAB HDTV World Conference Proceedings*, Washington, D.C.: National Association of Broadcasters, 1992, pp. 3-10.

Co-author (with Judith Saxton), *Film and Video Use in Protestant Churches in the United States, Vol. II*, Harleysville, Pennsylvania: Carstin-Mark Communications, Inc., 1989.

Co-author (with Judith Saxton), *Film and Video Use in Protestant Churches in the United States, Vol. I*, Harleysville, Pennsylvania: Carstin-Mark Communications, Inc., 1987.

Co-author (with Kyong Kim), "The Uses and Effects of Televangelism," *Journal for the Scientific Study of Religion*, December 1986.

FILM AND VIDEO PRODUCTION:

Producer/Director, "Ten Problems in Tokyo," an HDTV promotional video reviewing the 2007 International Collegiate Programming Contest (ICPC), Tokyo, Japan, 2007, currently in post-production.

Producer/Director/Editor, "David Crowder Band @ UBC" (working title), an HDTV production of a David Crowder Band concert celebrating the release of the "Collision" album, shot September 26, 2005, currently in post-production.

Producer/Director/Editor, "Car Guy" (working title), an HDTV documentary about *Sport Compact Car* editor and photographer Josh Jacquot, currently in post-production.

Producer/Director/Editor, "Yeti Stories" (working title) an HDTV documentary exploring the Yeti myth in Nepal, currently on hold due to political instability in Nepal.

Producer/Director (with Corey Carbonara), "DLNA v1.0 MPEG2-TS Test Materials," specified, produced, and encoded MPEG-2 digital audio and video test materials for use in DLNA compliance testing, August 2005.

Producer/Director, "ICPC San Antonio," an HDTV promotional video reviewing the 2006 International Collegiate Programming Contest (ICPC), San Antonio, TX, 2006.

Producer/Director, "Coding Shanghai," an HDTV promotional video reviewing the 2005 International Collegiate Programming Contest (ICPC), Shanghai, Peoples Republic of China, 2005.

Producer/Director, "U.P. to Shanghai," a reel of HDTV "beauty shots" used by Canon and Sony in their respective booths at trade shows, 2005.

HDTV Consultant (with Corey Carbonara), "Christmas at Baylor," an HDTV musical Christmas special (PBS), 2003.

Producer/Director, "Code Hollywood," a documentary reviewing the 2003 ICPC in Beverly Hills, California, a KWBU-TV Production, 2002.

Executive Producer (along with Corey Carbonara), "Stars at Night," an HDTV musical variety show, aired on KWBU-TV; invited screening at Planet HD Festival (held in conjunction with the Austin Film Festival), 2003.

Executive Producer (along with Corey Carbonara), "Tribute to NASA," an HDTV short featuring Space Shuttle and International Space Station footage; invited screening at Planet HD Festival (at the Austin Film Festival), 2003.

Producer/Director, "ACM-ICPC 2002," a documentary reviewing the 2002 ICPC in Honolulu, Hawaii, a KWBU-TV Production, 2002.

Producer/Director/Editor, "Y2K++, the Intercollegiate Collegiate Programming Contest," a documentary promoting the 2001 ICPC in Vancouver, British Columbia, Canada, a B3 Digital Production, 2001.

Producer, "A Most Significant Journey," a 38 minute high definition video (HDTV) documentary promoting Baylor University, a Fred Miller/HD Vision Production, 1999.

Producer/Director/Editor, "A Little Wrist Motion ...Can Be a Very Good Thing," a 14 minute video about a keyboard device to prevent Carpal Tunnel Syndrome, for Body Mechanics Institute, 1996.

Producer/Cinematographer/Editor, "Haiti's Hungry Children," a half-hour television program about the work of the Baptist Haiti Mission, hosted by Carol Lawrence, 1994.

Producer/Director/Editor, "ACM Collegiate Programming Contest," a video documenting the programming contest conducted at the Association for Computing Machinery convention in Indianapolis, Indiana, 1993.

Producer/Director/Editor, "4C's Program," a 12 minute documentary for the child sponsorship program of the Baptist Haiti Mission, Gold Award, INTERCOM '93 (Chicago Film Festival), Angel Award, Excellence in Media, 1992.

Director of Photography, "Dream Chase," a series of three 40-minute comedy adventures with a motorsports theme, White Lion Pictograph, San Antonio, Texas, 1992.

Producer/Director/Editor, "Affordable Speed," a 25 minute documentary about the Formula 440 class of road racing in the Sports Car Club of America, Addy Award, 1991.

Producer/Director/Researcher, "Fast Cars II," experimental film footage (Super 16mm and 35mm Panavision) for CCD and flying spot telecine transfer to High Definition Television (HDTV). This work continued that begun with the "Fast Cars I" project. The research was designed to determine the suitability of film originated images (especially Super 16mm) for distribution in some form of High Definition Television. It was also intended to inform the several Federal Communications Commission committees involved in designing tests to assess the audience impact of high definition images (Baylor University was represented on these committees). Corporations helping to fund this research included: Aaton Cameras, Allied Film Laboratories, Bell Communication Research (BELLCORE), DuArt Film Laboratories, Eastman Kodak, and Panavision, 1989-90.

Producer/Director, "Missions Work," a 52 minute documentary about the Baptist Haiti Mission, co-produced with Evangelische Omroep (a Dutch Television Network), Angel Award, Excellence in Media, Gold Award, Houston International Film Festival, Gold Award, International Film and Television Festival of New York, 1989.

Producer/Director/Researcher, "Fast Cars I," experimental High Definition Television footage shot in cooperation with Bell Communication Research (BELLCORE) at Road Atlanta, Gainesville, Georgia. This footage was used as a part of test materials to assess audience response to high definition images, October 1988.

Producer/Director, "San Antonio Grand Prix, 1988," documentary footage shot for the San Antonio Grand Prix Association, 1988.

Producer, "How to Really Love Your Child" film series, Arrow Productions, 1988.

Producer, "Teenage Anger: Helping Teens Toward Maturity," Arrow Productions, 1985.

Producer, "How To Really Love Your Teenager" film series, Arrow Productions, 1984.

Executive producer, "Working for the Harvest," a documentary produced for World Hunger Relief, Inc., Waco, Texas, and the Division of Student Work of the Baptist General Convention of Texas, Best Video Production, Intercollegiate Religious Broadcasters, 1983.

Cinematographer and Editor, "City of Refuge," a documentary about Hmong refugee resettlement in Iowa, Impact Images, Bronze Award, International Film and Television Festival of New York; Brotherhood Award, National Council of Christians and Jews, 1981.

Director/cameraman, various location shoots in Central America, Southeast Asia, and the Caribbean for the Old-Time Gospel Hour, 1976-1979.

Cinematographer, "Famine in Haiti," a documentary focusing on the problem of hunger in Haiti and on the work of missionary Wallace Turnbull, 1978.

Filmmaker, "Amistades Y Templos Del Escombros," a documentary of reconstruction work following the 1976 Guatemalan earthquake, distributed in Guatemala by CAM International, 1977.

Filmmaker, "Preacher," a documentary about a small-town Presbyterian minister, 1977.

PRESENTATIONS:

"Effects of Energetic Particle Radiation on High Definition Video Imager Pixel Loss: Experience of the International Space Station" (with Corey Carbonara and Dylan Mathis), The Eleventh Annual IEEE International Symposium on Consumer Electronics, Dallas, TX, June 2007.

"Technology Trends Impacting Video Games," The Guildhall at Southern Methodist University, Plano, Texas, November 2005.

"A Zigbee to Advertising Link?" Zigbee Conference 2005 (an Upperside conference), Paris, France, May 2005.

“Disruption by DVR,” Broadcast Education Association convention, Las Vegas, Nevada, April 2005.

“Exponential Growth and Technology: Implications for Media,” Digital Home Symposium, Baylor University, Waco, Texas, October 2004.

Facilitator, Digital Convergence Initiative for Central Texas, Austin, Texas, August 2004.

"From Inscapes to Landscapes: HDTV and Zettl's Reformulation of the Frame" (with Corey Carbonara), Broadcast Education Association national convention, Las Vegas, Nevada, April 2004.

"Future of Wireless Devices: New Applications, New Appeals" (with Corey Carbonara), South by Southwest (SXSW) Interactive, Austin, Texas, March 2004.

“World Finals 2003” (with William Poucher), Association for Computing Machinery national convention, San Diego, California, 2003.

Facilitator, “Game Design with AI” group design sessions, Artificial Intelligence in Games Conference, IC² Institute, University of Texas, Austin, Texas, August 2003.

"Developments and New Technologies for E-Education and Training," Cross Border Institute for Regional Development, First CBIRD International Technology Conference, May 2002.

“World Finals 2002” (with William Poucher), Association for Computing Machinery national convention, Toronto, Ontario, Canada, 2002.

"Impact of New Developments in Media, Telecommunication, & Computing," Workshop for Business Education in the New Economy, Hankamer School of Business, Baylor University, February 23, 2001.

“World Finals 2001” (with William Poucher), Association for Computing Machinery national convention, San Jose, California, 2001.

"Baylor University's Lessons from the Bleeding Edge," Broadcast Educators' Association Convention, Las Vegas, Nevada, April 1999.

"Images With Impact: HDTV and the Transition to Digital Television," Communications Symposium, International Mission Board, Richmond, Virginia, October 12-14, 1998.

"Teaching Shot Selection and Composition Through Computer Simulations," University Film Video Association Conference, Winston-Salem, North Carolina, August 1998.

"Putting the Images in Order: A Comparison of Editing Systems" (with Corey Carbonara and Vincent Young), Society of Motion Picture and Television Engineers Technical Conference and World Media Expo, New Orleans, Louisiana, September 1995.

“Assessing the Impact of Non-Linear Editing Tools” (with Corey Carbonara), Universities in Cyberspace, Digital World Conference, Los Angeles, California, June 1995.

“Academic Collaboration Between Baylor University and the IC² Institute of the University of Texas at Austin” (with Corey Carbonara), Universities in Cyberspace, Digital World Conference, Los Angeles, California, June 1995.

"The Non-Linear Editing System and the Novice Editor: Technology's Impact on Learning the Language," *National Association of Broadcasters*, Las Vegas, Nevada, April 1995.

"Issues in the Film-HDTV Interface" (with Corey Carbonara), National Aeronautics and Space Administration Imaging Conference, League City, Texas, May 1993.

“Super 16mm Film as an HDTV Origination Medium: Lessons Learned from Fast Cars” (with Corey Carbonara), National Association of Broadcasters High Definition Television World Conference, Las Vegas, Nevada, April 1992.

“Interoperability Considerations of Acquisition Media for High Definition Television” (with Corey Carbonara), Society of Motion Picture and Television Engineers Technical Conference, Los Angeles, California, October 1991.

“Supporting the Status Quo: Film and Video Use in Protestant Churches” (with Judith Saxton), paper presented at the Conference on Evangelicals, the Mass Media and American Culture, Wheaton, Illinois, September 30, 1988.

"The Ethics of Buying Time: Religious Broadcasting," Religious Communication Association, Louisville, Kentucky, November, 1982.

TECHNOLOGY CONSULTING

Board of Advisors, Azbell Electronics (dealing with display, networking, and user interface issues for military battlefield information, command, and control systems), 2004-.

"Broadband Futures," report for the Texas Association of Broadcasters (TAB), Austin, Texas, October 2000.

"Broadband Initiatives 2000," report for Human Code, Austin, Texas, January 2000.

"Video Bitstreams and Server Topology," report for TXN -- the Texas News Network, San Antonio, November 1999.

"Digital Television Transition Assessment," report for R. H. Drewry Broadcast Group, Oklahoma City, 1999.

"Broadband Strategies and High Speed Access," report for Human Code, Austin, Texas, October 1999.

"Digital Video Systems Specifications and Upgrade Plan," report for the Communications Office, International Mission Board of the Southern Baptist Convention, 1999.

ARTICLES:

Co-author (with Corey Carbonara and Vincent Young), "Does Nonlinear Mean Better Work?" *AV Video*, January 1996, p. 132.

"A Lesson in Non-Linear Editing," *TV Technology*, April 1995, p. 43.

"Making the Non-Linear Switch," *TV Technology*, April 1994, p.55.

"Video Machine Instructional Applications," *FASTination*, November, 1993, p. 7.

"Video Machine Teaches at Baylor," *TV Technology*, September 1993, p. 44.

Co-author (with Corey Carbonara), "HDTV and Film: The Issues," *American Cinematographer*, August, 1991, p. 60.

DEVELOPMENTAL RESEARCH:

Concentrates on the gap between a technology's public unveiling and that technology's practical and effective application. The emphasis is on innovation, diffusion, and management. Many of these investigations have been conducted with the cooperation and support of one or more industry partners.

Current research includes:

- digital cinema and the digital intermediate process
- technology forecasts for Media @ Home project
- home media networks and the home "media hub"
- educational use of video and computer games and simulations (in cooperation with the Digital Media Collaboratory at the University of Texas, Austin, Texas)

Past research has involved:

- developing web "community" for instructional support
- developing broadband networks and servers
- beta testing Avid Express DV nonlinear editing system
- beta testing TrueSpectra Netgraphica Internet Image Protocol Server
- analyzing feature film editing patterns for differences related to adoption of digital nonlinear editing systems
- Discreet Logic edit* v4.0, 4.5, 5.0
- Montage Personal Picture Processor
- Strata VideoShop 4.0

- Radius Edit
- Virtual Reality Modeling Language (VRML) simulations for teaching film/video production
- Adobe Premiere, Asymetrix Video Producer, in:sync Razor, ULead Media Studio Pro, Avid Videoshop
- Advanced Television demonstrations at the National Association of Broadcasters conventions, Dallas, Texas, Atlanta, Georgia, and Las Vegas, Nevada, 1987-1993
- Lightworks digital nonlinear edit system
- Avid MCXpress and Media Suite Pro
- editing laboratory using D/Vision nonlinear systems
- FAST Electronic Video Machine and Movie Machine Pro
- Sundance System editing software
- HDTV telecine transfers (CCD versus flying spot scanner)
- HDTV test materials for FCC and PBS
- Super 16mm film origination for HDTV
- Truevision Targa image capture boards

MEMBERSHIPS

Academy of Digital Television Pioneers

Association for Computing Machinery

Broadcast Educators Association

Institute of Electrical and Electronics Engineers

International Game Developers' Association

National Academy of Television Arts and Sciences (New York Chapter)

National Communication Association

Society of Motion Picture and Television Engineers

University Film Video Association