DANIEL C. SMITH, PH.D.   Current CV

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EDUCATION

PH.D.	**UNIVERSITY OF HAWAI`I AT MĀNOA, 2009** **Communication and Information Sciences** Specializations: Communication policy, communication theory, information technology management, data transmission Dissertation: Social Media Correlates of Organizational Climate
M.A.	**STANFORD UNIVERSITY, 2001** **Communication** Specialization: Instructional media, mass media and family interaction
B.S.	**STANFORD UNIVERSITY, 1966** **Physics**

PROFESSIONAL POSITIONS

April 2010 to present **February 2003 to present** Hawaiian Airlines P.O. Box 30008 Honolulu HI 96820	**Principal Engineer** **Manager, Engineering** Leads the airline's structural, power plant, avionics, systems and interiors engineers. Supervises the preparation of Engineering Orders for aircraft modifications including major modifications to structures, avionics, systems and interiors. Supervises required programs and procedures for safety and reliability. Supervises the evaluation of Service Bulletins, etc. for safety and economic value to the airline through the Technical Review Group. Supervises the development of repairs and modifications to aircraft structures, power plants and systems. Recruits, trains, coaches and evaluates employees. Guest lectures in the training department Authored the Engineering Dept. career progression plan. Managed contractors on major avionics upgrades on used 767's including predictive windshear radar, ACARS, ACMS, DFDR and HF datalink. Secured funding for Iridium satellite communications.
Jan. 2011 – Dec. 2011 University of Hawai`i at Mānoa School of Communication Honolulu HI 96822	**Lecturer** Teaching COM 490, Senior Thesis. Writing intensive. The principles and tools of social science research. Basic statistics.

August 1997 - February 2003	**Avionics Engineer**
Hawaiian Airlines P.O. Box 30008 Honolulu HI 96820	Wrote avionics engineering orders for service bulletins, airworthiness directive compliance, and reliability improvements. Wrote repair instructions. Lead teams on the B717 and B767 induction projects for the areas of digital manuals, communication, ACARS, data transmission, software, flight data recorders, flight management systems, and automatic landings. Managed avionics upgrades to improve reliability. Specific Accomplishments Flight Data Recorder upgrade, DC-9, 18 parameter Monitored the DC-10 automatic landing program Gained funding for and supervised the GPS, FM-immunity and Enhanced Ground Proximity Warning System project on two DC-10-30s. Doubled as Engineering Manager in some periods.
November 1984 to July 1997	**Telecom/IS/Avionics Manager**
Air Marshall Islands P.O. Box 1319 Majuro MH 96960	Installed and supervised the reservations data network working with contractors and SITA for connectivity to Qantas in Sydney. The network included multiple locations in Marshall Islands, Hawaii (AMI and HA offices), Fiji, Australia, Tuvalu and Kiribati. Primarily the ALC protocol but also some X.25, SNA and TCP/IP. Worked with telecom carriers, PTT's, INTELSAT, CAA's and equipment vendors. Served as company liaison with SITA and QANTAS for the reservations system, schedule change, departure control, weather and Type A and Type B reservations data. Network administrator for the company LANs. Supervised maintenance and programming of the company phone system as well as the VHF and HF voice network. Performed avionics airworthiness inspections and supervised maintenance by licensed maintenance technicians and apprentices. Formulated and completed avionics upgrades including radar, GPS and HF Comm. Prepared documentation (FAA Form 337, major modification) for approval. Consultation on electrical, instrument and avionics problems, including revenue-producing work for other airlines. Concentration on ATA Chapters 22, 23, 24, 31 and 34 but significant work on all systems. (Powerplant work under supervision.) Aircraft worked on: Dornier 228, SAAB 2000, HS748, CASA 210, BN Islander & Trilander, Nomad, DC-8.

January 1977 – July 1997
  Mariscom
  P.O. Box 179
  Majuro MH 96960

Computer Consultant and Trainer
(Part time except 1983-84)
Wrote major database-driven, networked (dBase, FoxPro) billing and reporting systems for power and water companies in the Marshall Islands and Kiribati. Mentored and trained local programmers to support the systems that were used from 1979 to 2009.
Taught use of word processing, spreadsheet and basic accounting programs frequently used in offices
Developed and installed other computer systems including voter registration, test scoring, office applications and conducted classes for staff.
Installed PBX systems and trained technicians and operators including a hospital and three hotels.

Sept.1980 – Sept. 1983
  Marshall Islands Journal
  P.O. Box
  Majuro MH 96960

Newspaper Editor
Made the weekly newspaper profitable.
Trained journalists
Started it on computer layout
Secured a U.S. Dept. of Energy-sponsored grant for a multi-year series of articles on alternative energy.

Sept. 1974 – Sept. 1980
  Marshall Islands High School
  P.O. Box 4
  Majuro MH 96960

High School Teacher
Taught various science, English and math courses
Co-chair, Battle of the Bands

Sept. 1969 – Aug. 1974
  Communication Dept.
  Stanford University

Research Assistant
Ran statistics for researchers. Mainly SPSS. Part time

Nov. 1966 – Sept. 1969
  Marshall Islands and
  Saipan, Mariana Islands

Peace Corps Volunteer
Taught high school physics and math
Assisted the local radio station upgrade news programming by training reporters. Initiated news gathering and remote broadcasts.
Assisted Trust Territory broadcast division upgrade its AM radio stations
Co-founded the Trust Territory-wide Micronesian News Service

June 1964 – November 1966
  High Energy Physics Lab.
  Stanford University

Electronics Technician
Part time in the school year, full time in the summers
Assisting building computer-controlled data collection for physics experiments.

October 1962 – June 1966	**Volunteer at KZSU- FM**
Stanford University	Worked variously as assistant news director, program director and engineer in the student-run radio station
	Materially contributed to the establishment of the FM station and retirement of the AM carrier current system.

ADDITIONAL TEACHING EXPERIENCE

Guest Lecturer, Hawaiian Airlines Maintenance Training Dept. – on going
Introduction to BASIC Programming, Community College of Micronesia Extension, 1982
Classroom Interaction Practice Teaching, with video recording. Community College of
     Micronesia Extension, 1976
Teaching assistant, Communication Courses, Stanford University, 1965, 1966, 1972

SERVICE

Advisor, Marshall Islands High School, 2011 to present concerning testing and information
     systems.
Member, UH Manoa Bicycle Committee, 2003-2007
Webmaster for the CIS Program, University of Hawaii 2003-2004
Hawaiian Airlines: Member, Maintenance & Engineering Reengineering Team (process
     improvement) 1998-2000
Board Member, Marshall Island National Telecommunications Authority, 1996-1998.
Head of Marshall Islands Delegation, UN Commission on Science and Technology in
     Development, 1993.

ACADEMIC HONORS

ARCS Scholar, 2006, University of Hawaii
First year honors, Dept. of Communication, Stanford University, 1970.

CERTIFICATES

California Life Teaching Credential, secondary school physics and math.
FAA Airframe mechanic and private pilot certificates.
Marshall Islands avionics repairman and airframe mechanic certificates.
FCC General Radio Telephone license

ADDITIONAL INFORMATION

Professional Memberships: ACM, IEEE
Experienced user of SPSS statistical analysis software and AMOS structural equation modeling
Experienced user of ADRAS flight data recorder analysis software
Fluent in spoken and written Marshallese

RESEARCH & PUBLICATIONS

Smith, Daniel C. (2011) A new look at broadband for the remote islands of the Pacific Forum
     countries: Beyond technology. *Proceedings*, Pacific Telecommunications Conference,
     Honolulu, January 2011. Available at http://www.ptc.org/ptc11/?page_id=1410&pid=6

Higa, Christina, Smith, Daniel C. and Okamura, Norman H. (2010) A Report on the Republic of the Marshall Islands (RMI) Leader Views on Information Communication Technologies (ICT) and Telecommunication Services in the Marshall Islands. Social Science Research Institute, University of Hawaii.

Heine, Hilda and Smith, Daniel C. (2004) The transformation of teaching and learning in rural areas and small island states. *Proceedings*, Pacific Telecommunications Conference, Honolulu, January 2004.

Smith, Daniel C. (2004) Regulatory and business challenges and opportunities created by building a new "Fiberline" phone system in Hawaii. *Proceedings*, Pacific Telecommunications Conference, Honolulu, January 2004.

Smith, Daniel C. (2003) Broadband and universal service: complementary goals for small island states in the information age. *Proceedings,* Pacific Telecommunications Conference, Honolulu, January 2003.

Smith, Daniel C. (2002) Overcoming the digital divide. *Peace & Policy*, v7, 40-43.

Smith, Daniel C. (1994) New links to be forged: data services for Pacific islands nations. *Proceedings,* Pacific Telecommunications Conference, Honolulu, January 1994, 673-678

Smith, Daniel C. (1992) The airline industry: major customer and innovator on the thin routes of the Pacific. *Proceedings,* Pacific Telecommunications Conference, Honolulu, January 1992, 148-153/

Smith, Daniel C. (1983) Politics in the Marshall Islands, in Crocombe, Ronald G. and Ali, Ahmed (eds.) *Politics in Micronesia.* Suva, Fiji: Institute of Pacific Studies of the University of the South Pacific.

Smith, Daniel C. (1976) Cable TV in the Marshalls. *Micronesian Reporter* 24 (3), 22-27.

Smith, Dan (1974) Television in the Marianas. *Micronesian Reporter* 22 (1), 8–12.

Smith, Daniel C. (1972) Issues in economic development. In Smith, Frances McReynolds (ed), *Micronesian Realities: Political and Economic*. (pp. 217–234). Santa Cruz, CA: Center for South Pacific Studies, UC Santa Cruz.

Smith, Daniel C. (1971) Using radio to educate the modern Micronesian: political education as an example. Trust Territory of the Pacific Islands collection, Univ. of Hawaii.

Yearian, M. R.; Crannell, C. J.; Crannell, Hall; Smith, Daniel C.; Friedl, P. J.; Sederholm, C.; Dye, W. (1967) An investigation of high energy electron produced showers using a computer-controlled system. *Nuclear Science, IEEE Transactions on.* 14 (1) Feb., 608 – 610.

BOOK REVIEW

Smith, Daniel C. (2008) Review of Bruns, Axel & Jacobs, Joanne (eds.) (2006) *Uses of Blogs.*
New York: Peter Lang. at
http://rccs.usfca.edu/bookinfo.asp?BookID=366&AuthorID=135