

Dr. T. Michael Houlihan
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Fordham University
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EDUCATION

Ph.D., Polytechnic University, Brooklyn, New York 1987
Computer Science, Hardware Verification and
Automated Reasoning.

M.S., Polytechnic University, Brooklyn, New York. 1983
Computer Science

M.S., University of Notre Dame, Notre Dame, Indiana, 1971
Chemistry, Inorganic chemistry major area

B.A., Catholic University of America, Washington, D.C. 1966
Chemistry

ACADEMIC EXPERIENCE

Fordham University, Bronx, New York. Dept. of Computer & Information Sciences,
Assistant Professor, 1988 - present.

Taught the following courses:

Computer Architecture, Parallel Computer Architecture
Computer Elements & Architecture(graduate)
Operating Systems, Assembly LANGUAGE Programming
Computer Programming (Pascal), FORTRAN programming,
C Programming, Object Programming C++ (graduate), Data Structures,
Computational Structures, Introduction to Computers.

Polytechnic University, Brooklyn, New York. Dept. of Electrical Engineering and
Computer Science, Academic Assoc., 1984-1988

Taught the following courses:

Introduction to Computer Architecture, Assembly Language Programming,
Introduction to Logic Design.

Manhattan College, Bronx, New York. Dept. of Electrical Engineering, Instructor, 1980-
1983.

ACADEMIC ADMINISTRATION

Assistant Chair for Undergraduate Studies, Computer and Information Sciences Department, Sept 2002 to present.

Chair of the Computer and Information Sciences Department, Sept. 1993 to June 99.

Acting Chair of the Computer and Information Sciences Department, November 1992 to Sept. 1993.

Assistant Chairperson of the Computer and Information Sciences Department, January 1989 to November 1992.

Administrator for the Department of Computer and Information Sciences Small Systems Laboratory - IBM RS/6000, AIX/UNIX, Xstation.

Member Fordham College Task Force on Restructuring, 1993 - 1995

Member Arts and Sciences Council, 1992 – 1999.

Member Fordham College Council, 1988 – 1999, 2001 - present.

Member University Information Technology Advisory Committee, 1998 - 2000.

Vice Chair, Fordham University Academic Computing Committee, 1990 - 1991.

Chair, Fordham University Academic Computing Committee, 1990 - 1997.

Member, Fordham University Computer Advisory Committee 1991.

RESEARCH AND PUBLICATIONS

- (1) Chen, D., Houlihan, T.M., "An Object Oriented Graphical User Interface", in proceedings of the 1993 Association of Management Conference, Atlanta, Georgia, August 1993.
- (2) Chen, D., Houlihan, T.M., "An Object Oriented Preprocessor for Relational Databases", in the Proceedings of the 1992 Association of Management Conference, Las Vegas, NV, August 1992.
- (3) Chen, D., Houlihan, T.M., Wu, F.W., "Object Oriented Data Modeling for Relational Databases", in the Proceedings of 1992 Science, Engineering, & Technology Seminar (SETS), Houston, Texas, May 1992.
- (4) Houlihan, T.M., "The Team Report 1991 Lilly Endowment Workshop on the Liberal Arts", Colorado Springs, Colorado, June 1992.

- (5) Houlihan, T.M., "Automated Formal Verification Techniques for Digital Circuits", dissertation, Polytechnic University, Brooklyn, New York, Jan. 1988.
- (6) Houlihan, T.M., "Questions Related to the Implementation of a Functional Testing Component To the Verification of Digital Systems", internal report, Argonne National Laboratory, Argonne, Ill. Aug. 1986.

GRANTS

Faculty Fellowship, Fordham University, Sept. 99 - Sept 00.

Microsoft, Inc., Microsoft Instruction Laboratory grant, \$53,697.50 , August 1998.

Texaco, Inc. \$7500.00 grant for the development of database software on the IBM RS/6000, May 1993.

GTE Summer Research Grant Director for DeLosSantos Y., Gonzalez, A., Tardio, R., "Computer Calculations for Chemical Shifts in Carbon-13 Atoms", CSTEP Conference, Lake George, NY, 1993.

Texaco, Inc. \$3000.00 grant for the development of database software on the IBM RS/6000, Nov. 1991.

Fordham College Faculty Research Grant 1990. "Hardware/Software Integration Schemes for varying Size Computer Systems" - awarded. "The Enterprise System: Hierarchical Connectivity and Remote Control within a Distributed Environment".

Fordham College Faculty Research Grant 1989, 1990. "Verification of Hierarchical Digital Systems" - awarded.

Mellon Grant, 1989. Research in Computer Usage - awarded.

U.S. Department of Energy - Faculty Research Participation, Argonne National Laboratory. May, 1986.

SEMINARS/CONFERENCES/PRESENTATIONS

"Automated Verification of Digital Circuits", presentation, Polytechnic University November 14, 2002.

39th Design Automation Conference, New Orleans, LA, June 2002.

Unix/Linux System Administrator Conference, New Orleans, LA, June 1998.

ACM Student Programming Contest October 1996 Moderator

Association of Management Conference, Atlanta, GA, August 1993

Association of Management Conference, Las Vegas, NV, August 1992

Lilly Foundation Grant - 1991 Workshop on the Liberal Arts.
Colorado College, Colorado Springs, Colorado, June, 1991.

ASEE - Program AT&T Bell Laboratories, 1990.

27th Design Automation Conference, Orlando, Florida, 1990.

IBM 9370 Bi-processor Architecture Seminar, Endicott, New York, June 7, 1990.

SMART-F Conference, New York, New York, 1989

26th Design Automation Conference, Las Vegas, Nevada, 1989.

National Educational Computing Conference, Boston Mass. 1989.

PROFESSIONAL SOCIETIES

Member, Association for Computing Machinery (ACM).

Member, The Institute of Electrical and Electronics Engineers, Inc. (IEEE).

Director, Fordham University Chapter, Sigma Xi, 1990 - present.

Director, Soaring Eagle Productions, 1994 - present

PROFESSIONAL EXPERIENCE

O'Connor, Sheridan Marsh, Architect, Albany, NY. 1979-1980

Computer Systems Consultant:

Responsible for the computer analysis of the Department of Mental Health
buildings throughout New York State.

La Salle School, Albany, New York. 1977-1980

Director of Computer Information Systems:

Implemented a management information system. Responsible for
computer system selection and programming of financial
software.

AWARDS

Outstanding Educator Award, C-Step Program, May 1994.