1. Name

David M. Schwartz, Emeritus Professor

2. Education

1965	B.S.	Engineering Physics, University of California, Berkeley
1966	M.S.	Engineering Science, University of California, Berkeley
1969	Ph.D.	Materials Science, Cambridge University

3. Academic Experience

2001-present	Emeritus Professor – Teach one course per semester and work with project students
1983-2000	Professor of Electrical and Computer Engineering
1982-1983	Associate Dean, School of Engineering and Computer Science
1980	Professor of Electrical and Computer Engineering
1977-1980	Chair, Civil, Industrial and Applied Mechanics
1974	Associate Professor of Mechanics and Material
1969	Assistant Professor of Mechanics and Materials

4. Non-academic experience

2003-Present	Part-time Member Technical Staff, The Aerospace Corporation
1997-2003	Principal Engineer, Space Superiority, The Aerospace Corporation
1994-1995	Senior Project Engineer, Milsatcom, The Aerospace Corporation
1990-1994	Project Engineer, Advanced Plans, The Aerospace Corporation
1985-1990	Member of Technical Staff, bd Systems
1987-1988	Project Engineer, Advanced Plans, The Aerospace Corporation
1984-1985	Project Engineer, Space Defense, The Aerospace Corporation
1981-1989	Consultant, Parker Hannifin Biomedical Products Group
1979-1981	Consultant, The Aerospace Corporation
1979-1982	Consultant, Westinghouse Hanford Company
1973-1974	Research Engineer, Department of Materials Science, UCLA
1972	Department of Energy Summer Program, Rockwell Energy Systems

5. Certifications or professional registrations

None

6. Current membership in professional organizations

IEEE, Senior Member
Tau Beta Pi, Member

7. Honors and awards

2013	Distinguished Engineering Educator Award, The Engineer's Council
1983	Outstanding Faculty Award, School of Engineering and Computer Science, CSUN
1983	Merit Award, San Fernando Valley PE Council
1965	B.S. with Honors, UC Berkeley
1964	I.W. Hellman Undergraduate Scholarship, UC Berkeley

8. Service Activities

None.

9. Principal Publications

Last formal publication was in 1999. Since then work has been limited to non-releasable presentations and government reports in the areas of communications and signal processing.

10. Professional Development Activities

Continued work in satellite communications conducting research in spread spectrum communications at The Aerospace Corporation. Work has lead to two approved patents, one patent pending and one accepted conference publication paper:

Samuel J Curry, David M Schwartz: Acquisition and Encoding of GPS codes. April 2010: US 7701391

Samuel J. Curry, Masahiro Sayano, David M. Schwartz, Kristine Y. Tsai, Detection system, controller, and method of detecting a signal of interest , March 2014, US: 8676147

Masahiro Sayano, Michael S. Cheung, Oliver D. Ambrosia, David M. Schwartz , Systems and Methods for use in Communicating Data, August 24, 2016, Publication number: 20180063314

Masahiro Sayano, Michael S. Cheung, Oliver D. Ambrosia, David M. Schwartz, Fast-Hopping Aerospace SATCOM Radio (FHASR), Accepted for presentation and publication in proceedings of MILCOM 2018.