

**Hugh Ching**  
**Northwestern Polytechnic University**

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**Post-Science Institute**

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**JOB OBJECTIVE**

***Teaching and/or Research in Post-Science***

**EDUCATION**

B.S. (Electrical Engineering)  
M.S. (Nuclear Engineering)  
Sc.D. (Nuclear Engineering)  
Post-Doctoral Research

**Massachusetts Institute of Technology**  
**Massachusetts Institute of Technology**  
**Massachusetts Institute of Technology**  
**Courant Institute of Mathematical Sciences**

**SPECIALIZATION**

E-M Field Theory  
Controlled Fusion  
Plasma Kinetic Theory  
Plasma, Economics

**CAREER CHRONOLOGY**

**Present** Advisor, Research Program, Northwestern Polytechnic University, Fremont, CA  
**1990 - Present** President and Founder, **Post-Science Institute**, dealing with knowledge beyond science  
**Permanent Software:** Complete Automated Software (Patent No. 5,485,601)  
**Infinite Spreadsheet:** Solution to Price (Patent No. 6,078,901 Issued June 20, 2000)  
**Robot Touch:** Explanation of touch and ball control using the concept of **jumpulse** (**Jumpulse**, a word coined by **Ta-You Wu**, is a sudden change of force, as impulse is a sudden change of momentum); no one detected this problem for three-hundred-years !  
President and Founder, **Infinite Spreadsheet Institute** and **Permanent Numbers**, a \$Trillion Business Plan based on Permanent Software, charging \$1.00 for each number  
**1987 - 1989** President and Founder, **World-Wide Institute Of Valuation; Computer Newspaper** Columnist, "**Chinese Student Voice**"; Director/ Producer, TV show "**The Art of Eating**"  
Director of **Ming's Villa** in Palo Alto, California (Rescued it from near bankruptcy)  
**Prior to 1987** Partner, **Homefinders Bulletin** – First commercially successful **Computer Newspaper** reached Inc. 500 (responsible for the bankruptcy of 30 years old local newspaper **Berkeley Gazette** by taking away its classified ad section with a sliding pricing system)  
Contractor, **Atomic Energy Commission**; Visiting Associate Professor, **National Tsing Hua University**, ROC; Scientist, **Courant Institute of Mathematical Sciences**, NYU  
Research and Teaching Assistant, **Massachusetts Institute of Technology**

**PROFESSIONAL MEMBERSHIP**

Who's Who (Asian Americans, American Inventors, etc.); Investment Teacher (self-supported all research)

**PUBLICATIONS**

1. **Generalized Fluid Description:**  $Df/Dt = \text{Sources}$ , where  $f$  is a function of all the spatial derivatives of time from the first (distance) to infinity. It provides a theoretical foundation for plasma physics to replace the correct but not usable Plasma Kinetic Theory and the usable but incorrect Magneto-Fluid Dynamics.
2. **Table Tennis, Scientific Analysis** – Book explaining ball control, the secret of consistency in sports, (The author is a two-times table-tennis champion at MIT). Robot fingers will bounce off a surface when they try to grasp an object (much like the ball bounces off a racket). Thus, **jumpulse** is the solution to robot grasping and walking, airplane landing, and bounceless shock absorbers. Force is defined by Newton as a push or pull, but when two objects come into contact, they generally bounce off each other
3. "**Quantitative Supply And Demand Model Based On Infinite Spreadsheet**" (Pat. No. 6,078,901) – Patented software for price prediction; predicted the US Savings and Loan Crisis
4. "**Completely Automated And Self-generating Software System**" – Patent (Pat. No. 5,485,601) putting computer and life sciences on a same foundation; expanding job market by lowering technical barriers; establishment of **Permanent Software** standards to replace all the current temporary software standards
5. **Knowledge** – Book co-authored with Dr. T. L. Kunii and Dr. C. V. Ramamoorthy based on the solutions of touch, value and complete automation, 2006.

## Introduction of Hugh Ching Compiled by Students of Post-Science

**Hugh Ching** is the founder of post-science, knowledge beyond science. Formally trained as a mathematical scientist at MIT (SB, SM, ScD), where he is twice the table tennis champion, and Courant Institute of Mathematical Sciences under Harold Grad (Post-doctor), plus eight years of postdoctoral self-training as a Research Associate in the Department of Philosophy of the University of California, Berkeley under Paul Feyerabend, he expands his work from science, where he contributes the solution of touch, which is missed by Isaac Newton and all the scientists since Newton, and the correct theoretical foundation for plasma physics (Generalized Fluid Description  $Df/Dt=Source$ ) into social science, where he contributes the solution of value, which provides a quantitative foundation for social science (***“Quantitative Supply and Demand Model Based on Infinite Spreadsheet”*** Patent No. 6,078,901), and life and computer sciences, which are put on a completely automated foundation based on his discovery of the completely automated software (***“Completely Automated and Self-generating Software System”*** Patent No. 5,485,601). He invented Universal Permanent Number and the solution of encryption based on the solution of software. As an intellectual descendant of Grad/Courant/Hilbert, he wishes to revitalize the intellectual line with the proposal that the foundation of mathematics be rad theory (radix theory), not set theory, which is based on human high-level intelligence of the Associative Memory. His completely independent thinking has been fully supported by his infallible predictions of the real estate market based on his deterministic valuation system, the Infinite Spreadsheet, which has publicly predicted the US Savings and Loan Crisis and the Subprime Woe, and which leads to the concept of Maximum Planning. The mathematically rigorous solution of value strongly suggests the existence of non-violable laws of nature in social science, as the existence of non-violable laws of nature in science, such as gravitation. The identification of DNA as the prime example of the completely automated software supports that someday humans will be able to create themselves based on a Creational Technology. He is the founder of Post-Science Medicine, which believes that medicines have been created with foods. He is currently an Advisor of the Northwestern Polytechnic University research program. He invents the Jumpulse Dance choreographed for power rap music. Hugh Ching belongs to a 700 years old family, which has built the largest single family house in China.