Topic: The Research and Incubation Programs at Northwestern Polytechnic University (NPU)
Speaker: Hugh Ching, SB, SM, Sc.D., MIT; NPU Advisor (http://www.jumpulse.com)
Date/Time: Saturday, November 13, 2010, 3:00-4:00PM (http://www.research.npu.edu)
Location: Room 308, NPU South Building, 47655 Warm Springs Blvd, Fremont, CA 94539
ABSTRACT

This talk will outline the program at the NPU Research/Incubation Center. The program will *"Allow Students And Faculty Members To Reach Their Maximum Potential In Creativity And In Business Skill."* The goal of the research program is *"To Achieve Complete Automation With Completely Automated Software (DNA) and Hardware (Robot)."*

NPU education will teach materials useful in the next four years. NPU Research/Incubator will prepare a student for the real world, where the sky is the limit for knowledge. It will train independence and entrepreneurship and might even make a student rich. Its Post-Science program is designed to match or surpass those at MIT, Harvard, Stanford, and Google, as listed below, because Post-Science overwhelms Science in both rigor and complexity and even solved one of the most subtle and relevant problem in Science, namely, the problem of touch, which is missed by Isaac Newton.

 "The Infinite Spreadsheet Has Been Designed To Make Rational Decisions Which Must Take Into Consideration All Future Consequences To Infinity In Time." The Infinite Spreadsheet provides the backbone for Green Technology and corresponds to permanent sustainability. *"Permanent Entities Created Through Complete Automation Are Infinitely More Valuable Than Temporary Entities."* The Infinite Spreadsheet can foster the following fields of incubation:

[Stock Valuation] [Real Estate Valuation] [Business Valuation] [Intellectual Property Valuation] [IPO Valuation] [Research Project Valuation] [Environmental Valuation] [Software Valuation]

Jumpulse is a sudden change of force, as Newtonian impulse is a sudden change of momentum. Jumpulse is a word coined by Dr. Ta-You Wu, the Father of Chinese Physics. *"Robots Must Have The Ability Of Touch In Order To Replace All Human Physical Labors. Jumpulse Is The Solution Of Touch."* Jumpulse is also the solution of prolonged contact, which is the secret of consistency in sports.

 "Universal Permanent Number is for the global search of knowledge. Google is designed for search news items. Google should remedy its defect in the search for knowledge by identifying each piece of knowledge with a permanent name in the form of integer and rank the knowledge highest. as UPN." Applications of UPN are in: a.Transportation (Permanent Product Numbers); b. Library Search Systems (books, Journals, articles, etc.); c. All People Programming Language (APPL) (where the permanent numbers will represent instructions to the computer); d. Registration Numbers (SSN, DLN); e. People [14 digits fixed prefix 1]; f. Real properties [14 digits fixed prefix 2]; g. DNS (Domain Name System) The UPN Real Estate is established to sell Universal Permanent Numbers to all county assessors.

Post-Science has matured to a stage that there are 3 Post-Science Projects for Six-Years-Old:
 (1) Universal User Interface of Completely Automated Software: http://jumpulse.com.
 (2) Infinite Spreadsheet Stock Rate of Return Calculation: http://infinitespreadsheet.com.
 (3) Double-Hitting a Ball with Jumpulse; Training for Prolonged Contact: http://jumpulsetennis.com.
Please contact John Jin Zheng for Demonstration of all 3 Items: zhengjin@mail.npu.edu;
(510) 952-8796; 47096 Mission Falls Court, Fremont, CA 94539 USA

Introduction of the Speaker: **Hugh Ching**

B.S. (Electrical Engineering)	**Massachusetts Institute of Technology**	E-M Field Theory
M.S. (Nuclear Engineering)	**Massachusetts Institute of Technology**	Controlled Fusion
Sc.D. (Nuclear Engineering)	**Massachusetts Institute of Technology**	Plasma Kinetic Theory
Post-Doctoral Research	**Courant Institute of Mathematical Sciences**	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 has detected this problem for 300 years !
President and Founder, **Infinite Spreadsheet Institute** and **Permanent Numbers,** a $Trillion Business Plan based on Permanent Software, charging $1.00 for each number
President and Founder, **World-Wide Institute Of Valuation; Computer Newspaper**

1987 - 1989 — 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 (self-supported all research)

PUBLICATIONS
1. **Generalized Fluid Description**: Df/Dt = Sources, where f is a function of all the spatial derivatives of time from the first (distance) to infinity and is similar in concept to prolonged contact. It provides a theoretical foundation for plasma physics to replace Plasma Kinetic Theory and Magneto-Fluid Dynamics
2. **Table Tennis, Scientific Analysis** , first book to predict double hitting, legalized in tennis in 1982.
3. *"Quantitative Supply And Demand Model Based On Infinite Spreadsheet"* (Pat. No. 6,078,901)
4. **"Completely Automated And Self-generating Software System"** – Patent (Pat. No. 5,485,601) Establishment of **Permanent Software** standards to replace all the 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.
6. **Four Post-Science Debates**: (1) Software Debate (Completely vs. Partially Automated Software), (2) Valuation Debate (Infinite vs. Finite consideration), (3) Touch Debate (Is touch a physics problem? A proposal has been submitted to NSF), and (4) Freedom Debate (Constrained vs. Freedom, e.g. Free Market, Free Software vs. non-violable laws of nature and the design criterion of complete automation).