Northern California Section/American Nuclear Society
Meeting Announcement for April 2008

Date: **Thursday, April 24, 2008**

Place: **Pleasanton Hotel, 855 Main Street, Pleasanton**

Menu: **1) Grilled Pacific Salmon with vermouth garlic butter and citrus shallot beurre blanc, 2) Breast of chicken stuffed with caramelized fennel mushroom sauce and with a ricotta with white port mushroom sauce and onion strings, 3) Grilled N.Y. steak with three-peppercorn sauce, 4) pasta vegetarian.**

Make reservation and menu choice by responding to ansres@sbcglobal.net, by Sunday, April 20, 2008 , or by calling (650) 326-5289

Cost: **$35.00, NC ANS; $40.00, Visitors; $10.00 Students**

Speaker: **Mr. Jerry Goldner and Dr. Hirofumi Seki**

Topic: **The Uses and Advantages of Proton LINACs in Medical and Other Technologies**

Abstract: **Nuclear medicine has experienced recent growth in several areas, specifically regarding diagnostic and therapeutic technologies. The use of proton LINACs to produce nuclear isotopes for use in Positron Emission Tomography (PET) used to perform quality physiological images. These have advantages over more traditional magnetic resonance imaging. Additionally, the proton LINAC can be used for Proton Beam Therapy (PBT) which uses particle radiation for treatment of cancer tumors, offering additional advantages over the more common gamma radiation treatment.**
AccSys Technology, founded in 1985, an affiliate of Hitachi, Ltd., is the world's leading producer of rf ion linacs for medical, industrial and research applications.

Professional Highlights: **Gerard Goldner is Chief Operating Officer of AccSys Technology. Prior experience includes: Reactor Maintenance Engineer at Philadelphia Electric, Operations Shift Technical Advisor, and Licensing Engineer at Limerick Generating Station, GE Nuclear Energy as a Principal Design Engineer and later as Discipline Lead Coordinator. He holds a B.S. in Mechanical Engineering from Notre Dame University and an MBA from Saint Joseph's University.**

Dr. Hirofumi Seki is Chief Engineering Manager of AccSys Technology. Prior experience: Hitachi Research Laboratory, Hitachi Power and Industrial R&D Laboratory as Senior Researcher, Hitachi Works as a Senior Engineer, and AccSys Technology, Inc. as a Chief Engineering Manager. He has expertise is Plasma Physics, Gas Laser, Pulsed Power Equipment, SIMOX (Separation by IMplanted Oxygen), and Proton LINAC (Linear Accelerator) for industrial applications such as PET(Positron Emission Tomography), neutron sources and PBT. He contributed to opening the first PET facility utilizing LINAC in Japan in 2004.