Dr. Ronald B. Adamson

Residence: 36848 Montecito Dr., Fremont, CA, USA

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Position: Consultant, Zircology Plus, Fremont, California, 2000 → present

Education:

B.S. Mechanical Engineering	1961	University of Wisconsin	Madison
M.S. Nuclear Engineering	1963	University of Wisconsin	Madison
Ph.D. Metallurgical Engineering	1966	University of Wisconsin	Madison
Post-doctoral Fellow	1966-1968	UKAEA Atomic Energy Research Establishment Harwell, England	

Experience:

- Internationally recognized technical expert in performance of zirconium alloys as a component in nuclear reactors.
- Senior engineer, Knolls Atomic Power Laboratory, 1968 - 1972
- Manager of Materials Technology at GE Nuclear Energy's Vallecitos Nuclear Center. Responsible for research, development, performance and post-irradiation evaluation of BWR bundle components (1972 -retired 2000)
- Independent consultant for EPRI, NFIR, ANT International, RB Consultants, etc.,2000 →present
- Author or co-author of over 30 authoritive reviews of zirconium technology through ANT International's ZIRAT program, 2000 – 2020
- Technical Advisor, EPRI –Nuclear Fuel Industry Research program (NFIR) 2000-2016
- Technical Consultant, EPRI Fuel Research Program, 2014 - present
- Member of ASTM's Committee on Publications (COP), 2010-2016

Awards/Achievements:

- Received GE's International Power Systems Award (outstanding individual achievement), 1994
- Received ANS Mishima Award (for nuclear materials research), 1996
- Received ASTM / Kroll Institute Kroll Medal (for zirconium alloy research and development), 1998
- Received ASTM B10 H.R.(Russ) Ogden Award (for technical advancement of reactive metals), 2020
- Received ASTM best paper Award (Symposium on Zirconium in the Nuclear industry), 2001
- Received ASTM best paper Award (Symposium on Zirconium in the Nuclear industry), 2013
- Editor, ASTM's Zirconium Production and Technology: The Kroll Medal Papers 1975 – 2010, 2010
- Published over 100 peer–reviewed technical papers on technology of zirconium alloys.
- Granted seventeen U.S. patents on materials and components used in nuclear reactors.
- Chairman, ASTM Kroll Medal Award Committee, 2000-2012
- Contributed two chapters in the book Materials Aging and Degradation in Light Water Reactors, 2013.
- Conducted Summer School on Nuclear Materials, Halden Reactor Project, Halden, Norway, 2000
- Guest lecturer, UC Berkeley, Nuclear Engineering Department, Spring Semesters, 2001 - 2005