Robert A. Hermann, P. E.
Associate

Education

BS, Physics, American University (1971)
AA, Engineering, Miami-Dade Junior College (1962**)**

Professional Associations and Awards

Registered Professional Engineer, State of California - Quality Engineer
ASM International
ASME Section XI Subcommittee
Member – Subgroup on Repairs, Replacements, and Modifications
Member – Working Group on Welding and Special Repair Processes

Professional Experience

2001 to present	Structural Integrity Associates, San Jose, CA Associate
1976 to 2000	U.S. Nuclear Regulatory Commission, Washington, D.C. Senior Level Advisor for Materials
1970 to 1976	Artech Corp., Falls Church, VA Chief Materials Engineer
1965 to 1970	Melpar Inc., Falls Church, VA Metallurgical Engineer
1963 to 1965	Pratt & Whitney Aircraft Corp., West Palm Beach, FL Senior Laboratory Technician

Summary

Mr. Hermann joined Structural Integrity Associates, Inc. as a senior engineering consultant in January 2001 following his retirement from the NRC. Mr. He rmann, now an Associate, is serving as the Program Manager for SI's 3rd party reviews of overlay deferrals at Quad Cities Plant and of the head replacement at North Anna Plant as well as Program Manager for development of an ASME Code Case for dissimilar metal welding.. Mr. Hermann served as the Program Manager for SI's 3rd party reviews of the proposed reactor vessel head repairs from boric acid wastage at Davis Besse Nuclear Power Plant. He has served as a member of the Assessment Group of Alloy 600 ITG of the Materials Reliability Project for generically addressing PWSCC in weld filler materials 82/182. He has served as the Project Manager and Principal Investigator for PNNL/ DOE on a program to identify alternative remedies for IGSCC of stainless steel piping in RBMK reactors in the Russian Republic and on program for the development and presentation of steam Generator Workshop for VVER reactors in the Ukraine. He has also has provided consulting services to several domestic and foreign utility clients in the materials engineering and licensing areas. Further he has provided assistance as a technical expert in support of litigation and in preparing testimony for several clients.

Mr. Hermann joined the NRC in 1976 as a Reactor Inspector in the Region IV Office. Two years later he joined NRR as a Senior Materials Engineer working both in the areas of licensing and operation reactors. From December l979 to November 1980 he worked in the Office of Inspection and Enforcement as a Metallurgical Engineer in the

Division of Reactor Operation Inspection. He rejoined NRR as a Senior Project Manager and Section Leader for a multi-disciplinary engineering groups in the Systemic Evaluation Program Branch for converting the Provisional Operating Licenses to Full Term Operating Licenses to 10 oldest US plant and in the BWR Engineering Branch. From March 1987 to June 1988 he joined the Office of Special Projects serving as the Chief of the multi-disciplinary Engineering Branch for the restart and licensing of the TVA plants. He rejoined NRR in June 1988 serving as the Section Leader, Metallurgy and Chemical Engineering Section, Materials and Chemical Engineering Branch until his appointment as Senior Level Advisor for Materials. Mr. Hermann was appointed Senior Level Advisor for Material Science in the Office of Nuclear Reactor Regulation (NRR) in 1995. In this position, he provided consultation to senior managers, supervisors and staff of NRR regarding technical, policy and international matters relating to Material Science in both advanced and operation nuclear power plants. He reviewed and assessed the expected behavior of reactor coolant system materials under severe accident conditions and coordinated the results these results with the Office of Research to identify the limiting components. He was a significant contributor in establishing NRC policy and rulemaking related to BWRVIP, ASME XI-Appendix VIII, Non Code Repairs, Risk Informed ISI and Risk Informed Repair/Replacement Activities and the Gall Report and other license renewal activities.

Before joining the NRC, Mr. Hermann worked as the Chief Materials Engineer at Artech Corp. He managed several engineers and technicians performing varied testing and R&D for US Navy laboratories and Commands, US Army-Ft. Belvior, NASA-Goddard and US Air Force-Wright Patterson AFB. He performed failure analysis using electron microscopy, metallography, EDAX. X-ray diffraction and fluorescence analysis and mechanical testing for Corporate, Legal, and Government (National Transportation Safety Board). He also managed the corporate quality assurance program.

From 1965 to 1970 Mr. Hermann worked for Melpar, Inc. as the Principal Investigator on several metal matrix short fiber composite R&D programs for the US Navy and Air Force. He investigated dispersion strengthened metals and glass armor R&D for US Navy and Air Force. He also did failure analyses for American Standard Corp., Westinghouse Airbrake Corp., government and legal clients.

Current and Recent Clients for Professional Services

Robert A. Hermann

1. Scientech Inc., Consolidated Edison Company of New York, Inc.: State of New York v. Consolidated Edison Company of New York Inc.(Prudency Hearing on Steam Generator Repairs)

2. Scientech Inc.: support in the areas of Engineering Reviews, Non-Testifying Legal Support, and Legal Depositions and Court Testimony (Unnamed nuclear power plant purchase)

3. US Gov't / NRC: NRC v. U.S. Congress (preparation of hearing testimony for Oversite Committees, responses to Congressional inquires, and preparation of responses to Oversite Committee questions in Q&A format)