

Karen I. Hall

Managing Director, Technology Transition Corporation, Ltd

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Experience:

Technology Transition Corporation, Ltd.

2003 – present

Mrs. Hall is the Managing Director of Technology Transition Corporation (TTC) Limited, a U.K.-registered small business that is wholly-owned by a U.S. small business and which works with utilities, industry, and government to commercialize clean energy and other environmentally friendly technologies. Mrs. Hall helped form, and continues to manage, the United Kingdom Hydrogen and Fuel Cell Association – a diverse group of stakeholders interested in understanding and advancing the use of fuel cells and hydrogen energy in the UK. She also continues to lead technical activities relating to hydrogen energy safety, codes and standards of the Fuel Cell and Hydrogen Energy Association, following the merger of the National Hydrogen Association (USA) with the U.S. Fuel Cell Council.

She organizes and conducts workshops and seminars tailored to client needs to advance knowledge and enhance information dissemination on best practices, codes, standards, and regulations to facilitate deployment of hydrogen and fuel cell technologies. She is the primary contributor and Chief Editor of the *Hydrogen and Fuel Cell Safety Report*, a free electronic newsletter available at www.hydrogenandfuelcellsafety.info.

She performs consulting services for private clients to assist with the development of technical data packages, raise awareness of developing requirements, and educating stakeholders on how the technologies fit into existing and developing codes, standards and regulations.

She leads business development efforts, including preparing proposals and budgets, and managing projects once they are in house.

Technology Transition Corporation

1997 – present

Mrs. Hall is Vice President of Technology Transition Corporation (TTC), a firm that has proven success since 1986 in working with utilities, industry, and government to commercialize clean energy and other environmentally friendly technologies. Until the recent merger, she was responsible for technical operations of the business unit that managed the National Hydrogen Association (NHA).

- As Vice President for Technical Operations of the NHA, she was responsible for

day-to-day technical operations and special projects, including Codes and Standards activities, Information Exchange, and Budget. As part of her duties, she planned and coordinated technical meetings, conferences, and workshops, and prepared and presented written and oral presentations on a variety of topics relevant to the hydrogen community, including implementation of hydrogen clusters and corridors, policy needs, safety codes and standards, and demonstration activities. She has developed and conducted over three dozen workshops and short-courses on hydrogen safety for a variety of target audiences, including fleet owners and operators, public and private entities, government policy makers at the local, regional, and national levels, technical specialists dealing with hydrogen as a fuel, and the public.

- She has previously served as the Technical Director of the United States Advanced Ceramics Association, a trade association of companies whose goal is to increase business opportunities for advanced ceramics for industrial applications.
- She has been the Technical Coordinator to the Direct FuelCell Group, a former trade association of power providers and others interested in the commercial development of the Direct Carbonate Fuel Cell, under development by FuelCell Energy, Inc.

ARINC Research Corporation

1989 – 1997

ARINC is a large US company in Annapolis, Maryland with a corporate heritage of serving customers in aviation, government, and other industries since 1929. ARINC performs systems engineering, development, and integration for government and industry.

- Technical areas of expertise include Pollution Prevention in the Department of Defense Acquisition Process, Aging Aircraft, Welding, Metallurgy, Corrosion Prevention and Control, Nondestructive Inspection, Documentation, Quality Assurance, Engineering Analysis, DT&E and OT&E support. Programs include the U.S. Air Force Aging Aircraft and Hidden Corrosion Program, SEAWOLF (SSN21) Fabrication Engineering Program, HSLA-130 RDT&E Program, and Level 1/Subsafe welding consumables receipt inspection/quality assurance system.
- She also provided evaluation and environmental failure analysis of mobile electronic warfare equipment, including U.S. Army TRAILBLAZER. She created the first shop fabrication and inspection manual for U.S. Army Vint Hill Station.
- Mrs. Hall has been involved with military and industry standards and specifications since 1989. She has applied her welding and NDI expertise in preparing updates to military standards/specifications for welding consumables, welder qualification, base metals, and fabrication and inspection including MIL-STDs-248,-1628, and -1688 and MIL-E-22200 series covered electrode specifications.

Professional Affiliations

- Mrs. Hall is a member of the Order of the Engineer. She is active in the development of safety codes and standards for hydrogen and fuel cell technologies with ISO/TC-197, the National Hydrogen Association, and SAE's Fuel Cell Codes and Standards Forum. She is also a member of the National Fire Protection Association (USA), and serves on two NFPA Technical Committees; the Vehicular Alternative Fuel Committee, which is responsible for NFPA 52, and the Hydrogen Technologies Committee, which is responsible for NFPA 2.

Education

M.S. Environmental Science and Policy, the Johns Hopkins University (2000), USA

B.S. Welding Engineering, the Ohio State University (1989), USA

Mrs. Hall has held certification as ASNT Level III, for electromagnetic inspection, and received a certificate of Completion for Configuration Management from Naval Sea Systems Command in 1996.