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Manuel Hernandez has been with the National Research Council of Canada since 2005, and is a key contributor towards its reputation as a leader in hydrogen safety. His work has included providing support and advisory services to the Canadian Space Agency on the design of the Lunar Rover Hydrogen Sub-systems for its Exploration Surface Mobility Program, leading the design of a hydrogen fuel cell system for Boeing Commercial Airlines, providing expertise in hydrogen and fuel cell systems to the complex Regenerative Fuel Cell Project between Boeing, American Airlines and the Federal Aviation Administration, assisting Ballard Power Systems in bringing its hydrogen fuel cell stack design to market, and being instrumental in the CSA's development of an interim standard for portable hydrogen fuel cell generator approvals that helped Ballard Power Systems bring its fuel cell generator product to market. In 2017, Manuel joined the SAE G-27 Lithium Battery Packaging Performance Standard Committee, which is developing a performance standard for air transportation of lithium battery packages. Two projects he led in collaboration with the Transportation of Dangerous Goods Directorate ('TDG') at Transport Canada to assess the feasibility of the proposed tests from the AS6413 draft standard were presented at the SAE G-27 committee meetings in Seattle, WA and Bremen, Germany. Manuel is a graduate of the University of Miami, with Bachelor's and Master's degrees in Mechanical Engineering, and is a Registered Professional Engineer in British Columbia, Canada.