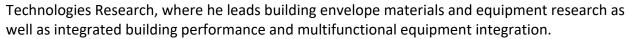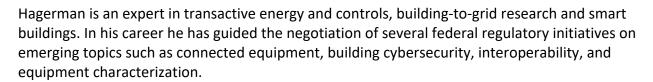**Joseph W. Hagerman**
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At the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL), Joe Hagerman serves as the Section Head for Building Technologies Research, where he leads building envelope materials and equipment research as well as integrated building performance and multifunctional equipment integration.

Hagerman is an expert in transactive energy and controls, building-to-grid research and smart buildings. In his career he has guided the negotiation of several federal regulatory initiatives on emerging topics such as connected equipment, building cybersecurity, interoperability, and equipment characterization.

Prior to joining ORNL in 2019, Hagerman was the Senior Technical Advisor to the Department of Energy's (DOE) Energy Efficiency and Renewable Energy's Assistant Secretary. In this role, Hagerman steered transactive controls and building-to-grid integration research, and coordinated the development of VOLTRONN, a cybersecure, distributed building control system that interacts with a home's HVAC (heating, ventilation, and air-conditioning) and water heater developed jointly by ORNL and Pacific Northwest National Laboratory. After his time at DOE, Hagerman served as the National Rural Electric Cooperative Association's Deputy Chief Scientist, where he managed a federal research program dedicated to cybersecurity, distributed controls, and application energy concepts. He previously served as project manager for the Building Technologies Group at the Federation of American Scientists, with a focus on addressing environmental and energy injustices with energy-efficient, affordable construction. He's also held consulting positions with Steven Winter Associates and Booz Allen Hamilton.

Hagerman is the recipient of the 2016 DOE Secretary Honor Award for his work on appliance standards to meet the Climate Action Plan, and also received the DOE Distinguished Service Award in 2010 and 2014. In 2005, he received the Metropolis Next Generation Award and the 2005-2006 Rafael Viñoly Fellow from Rafael Viñoly Architects, New York City.

He holds a master's in civil engineering from the Fu Foundation School of Engineering and Applied Science at Columbia University and earned his bachelor's in architecture from Mississippi State University.