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## **Presenting: *Advanced Evaluation of the Performance of Reflective Air Spaces at TechConnect 2021***

The Reflective Insulation Manufacturers Association International (RIMA-I) is proud to announce Dr. David Yarbrough of R&D Services, Inc., in Watertown, Tennessee, and Dr. Hamed Saber of the Royal Commission for Jubail and Yanbu, Kingdom of Saudi Arabia will be presenting the paper “**Advanced Evaluation of the Performance of Reflective Air Spaces**” at the 2021 TechConnect World Innovation Conference & Expo being held October 18-20 in Washington, DC.

For over 20 years the TechConnect World Innovation Conference and Expo has connected top applied research and early-stage innovations from universities, labs, and startups with industry end-users and prospectors. The 2021 TechConnect World Innovation event includes the annual SBIR/STTR Innovation Conference, AI TechConnect, and the TechConnect Technical Program - more than 35 world-class technical symposium, and the Nanotech Conference Series – the world's largest and longest running nanotechnology event.

About the Seminar: The use of reflective insulation in the building envelope was given a boost in the 1950s by a battery of hot-box tests and subsequent analysis from the U.S. National Bureau of Standards. Thermal resistance (R-values), based on the NBS data, have been published in handbooks and texts for one-dimensional steady-state heat transfer between planar surfaces and used for many years to evaluate thermal performance of reflective insulation. The capability to model and simulate heat transfer by all mechanisms, including convection, now provides detailed information about heat flow across enclosed air spaces including non-parallel surfaces, leaky enclosures and subdivision of an enclosure to provide reflective air spaces in series. Results from this advanced capability will be discussed.

This presentation will take place Monday, October 18<sup>th</sup> at 1:55 p.m. For more information on how you can participate, visit <https://www.techconnectworld.com/World2021/>.