**High-Throughput, Scalable Thermofluidic Systems (HTSTS) for**

**Advanced Energy Systems**

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**ABSTRACT:**

**In this seminar, Dr. Choi (Center for Urban Energy Research KIST)’s ongoing efforts on the development of high-throughput, scalable thermofluidic systems (HTSTS) for advanced energy systems will mainly be presented. For the first part of his presentation, his dissertational works that contain the development of several micro mechanical systems to achieve fast precipitation of particulate matters in complex fluids will be addressed. The latter part will discuss his recent activities on HVAC engineering for renewable energy research and in particular, his latest attempts to apply HTSTS to thermal storage systems will be elaborated.**