

## **Grain Boundary Interface Engineering in Oxide Thermoelectrics**

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Dr. Soonil Lee is an Associate Professor of Materials Science and Engineering at the Changwon National University in South Korea. He received his Ph.D. in studying on defect chemistry, phase equilibria, and phenomenology in ferroelectrics from The Pennsylvania State University in 2006, in USA. He continued his research at the Center for Dielectric Studies in The Pennsylvania State University, continuing the research on defect chemistry, thermoelectrics, supercapacitors, and electrical properties in electronic materials. In 2013, he joined the Korea Institute of Ceramic Engineering and Technology, and had worked on thermoelectric materials and modules for mid-high temperature applications. He then joined the Changwon National University in 2018 as an associate professor. He has authored/co-authored over 95 technical journal papers and has over 19 invited talks and one keynote talk at International conferences, and holds 15 patents in the field of thermoelectrics and electronic materials. He received the Spriggs Phase Equilibria Award from American Ceramic Society in 2008.

