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SHORT CV

Dr. Zi-Kui Liu is a professor of Materials Science and Engineering at The Pennsylvania State University (<http://www.matse.psu.edu/faculty/liu>). He obtained his BS from Central South University (China), MS from University of Science and Technology Beijing (China), PhD from Royal Institute of Technology (KTH, Sweden). He was a research associate at University of Wisconsin-Madison and a senior research scientist at Questek Innovation, LLC. He has been at the Pennsylvania State University since 1999, the Editor-in-Chief of CALPHAD journal since 2001, and the President of CALPHAD, Inc. since 2013. Dr. Liu coined the name “Materials Genome®” in 2002 and his company owns its trademark.

Dr. Liu is a Fellow and a member of Board of Trustees of ASM International and was a member of the TMS Board of Directors. He received the TMS Brinacombe Medalist Award, the ACers Spriggs Phase Equilibria Award, the ASM J. Willard Gibbs Phase Equilibria Award, and the Wilson Award for Excellence in Research from the Pennsylvania State University. Dr. Liu’s current research activities are centered on first-principles calculations, modeling of thermodynamic and kinetic properties, and their integration in understanding defects, phase stability, and phase transformations, and designing and tailoring materials processing and properties. He has published over 390 papers in peer-reviewed journals (scholar.google.com/citations?user=XEkppu4AAAAJ&hl=en, www.researcherid.com/rid/A-8196-2009). His group web site is at www.phases.psu.edu.