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Shyue Ping Ong is a Professor of NanoEngineering at the University of California, San Diego. He obtained his PhD from the Massachusetts Institute of Technology in 2011. He leads the Materials Virtual Lab at UCSD, a dynamic group of materials scientists focusing on the interdisciplinary application of materials science, computer science, and data science to accelerate materials design. He is one of the founding developers of the Materials Project, a DOE-funded initiative to make the computed properties of all known materials publicly available for materials innovation. He is also the founder of Python Materials Genomics (pymatgen), an open-source materials analysis library that is used by hundreds of thousands of users worldwide. At UCSD, Dr Ong has served in the Department of NanoEngineering's Graduate Affairs Committee, Undergraduate Affairs Committee, as well as leads the Alumni Newsletter Committee. Dr Ong is also a recipient of the US Department of Energy Early Career Research Program and the Office of Naval Research Young Investigator Program awards.