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Dr. (Balu) Balachandran, Distinguished Fellow at Argonne National Laboratory, U.S.A., has been doing research in the area of electronic materials for over 40 years. He received his Ph.D. in Materials Science in 1980. His research areas include high temperature capacitors for power electronics in electric drive vehicles, fuel cells, nano-carbon infused metals for high thermal and electrical conductors, ceramic membranes for gas separation, CO₂ capture, chemical synthesis and natural gas upgrading, and superconductors. He has been an invited speaker at 120 conferences in several countries. He has authored/coauthored 275 papers in peer reviewed international journals, 167 papers in conference proceedings, edited 24 books (conference proceedings/transactions), and holds 48 issued patents. He is a Fellow of The American Ceramic Society (1999) and Fellow of the Institute of Physics (2006).