

Biosketch

Nageswar Rao Chekuri, in effect has three masters in physics, worked in theoretical particle physics and then came to science education in the past sixteen years. He is a Professor of Physics, and serves as the Chair of Mathematics and Natural Sciences. He worked on solitons, SU (6) quark models, fractional spins in the gauged O (3) non-linear sigma models, instructional designs, problem solving to improve skills, student reasoning, and developed “Skills-Based Instructional Design,” wrote modules “University Physics: An Approach to Improve Skills.” His current research interests are learning theories, instructional approaches to improve cognitive skills, student learning and epistemic beliefs, and transdisciplinary instructional approaches. He has published articles, modules and regularly presents papers at professional meetings.