Professor Peter Apata Olubambi's current research activities are focused on three key and interrelated fields of advanced materials; "Powder Metallurgy", "Nanomechanics" and "Tribocorrosion". He is involved in the utilization of innovative powder metallurgical technique for developing high strength, high-temperature and tribocorrosion resistance sub-micron and nano-structured advanced metallic alloys and metal-ceramics composites for the extreme environments. He is a vibrant scholar with excellent leadership skill and involvement in the services to many science and engineering communities. He is an editorial board member of the International Journal of Bio and Tribo-corrosion (a springer journal) and the managing editor of the African Corrosion Journal, an official publication of the Corrosion Institute of Southern Africa. He is an NRF-rated established researcher and a professor in the field of materials engineering. He has published about 100 research articles in reputable international journals and many conference proceedings. He is currently the Head of the Centre for Nanoengineering and Tribocorrosion, and the Head of the School of Mining, Metallurgy and Chemical Engineering.