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### **Biographies:**

**Dr. John Y. Pumwa** is a Professor and the Head of the Mechanical Engineering Department. He earned B.Eng. in Mechanical Engineering from the Papua New Guinea University of Technology, Papua New Guinea, Master of Engineering in Mechanical Engineering from the University of Wollongong, N.S.W., Australia and a Ph.D. in Interdisciplinary Engineering from Texas A&M University, College Station, Texas. He has published a number of journal and conference papers. Dr. Pumwa has been and is being involved in conducting research in a number of areas including Tribology (friction, wear and lubrication), biofuel, and exhaust gas analysis, environmental effects of vehicle exhaust gas. His research interests include manufacturing, simulation, optimization, reliability, vibration, environmental of waste used cooking oil and engineering education. Dr. Pumwa is a Fellow of the American Society of Mechanical Engineers (FASME) and a Fellow of the Institution of Engineers, PNG (FIEPNG) and a member and a Chartered Engineer of the Institution of Mechanical Engineers (MIMechE), U.K.