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**Balonji Serge** is a Master's degree candidate at the University of Johannesburg in South Africa. He earned a Bachelor degree of technology at the University of South Africa. He has 16 years' experience in manufacturing of Joy Mining works and components design. He published a conference paper on thermo-acoustic refrigeration. His research interests include thermo-acoustic, manufacturing, design and analysis, optimisation, modeling and simulation. He is member of SAIMEchE.

**Lagouge Tartibu** is a senior lecturer in the department of Mechanical Engineering Technology at the University of Johannesburg in South Africa. He has been a Lecturer for Cape Peninsula University of Technology (2007-2012) and Mangosuthu University of Technology (2013-2015). He holds a Doctorate degree in Mechanical engineering from Cape Peninsula University of Technology (2014) and a Bachelor degree in Electromechanical Engineering from the University of Lubumbashi (2006). His primary research areas are thermal science, electricity generation and refrigeration using thermo-acoustic technology, mathematical analysis/optimization and mechanical vibration.

**Tienchen Jen** is a professor in the Department of Mechanical Engineering Science at the University of Johannesburg in South Africa. He holds a Doctorate degree in Mechanical and Aerospace Engineering from the University of California. Prof Jen has made extensive contributions to the field of mechanical engineering, specifically in the area of machining processes. Examples include, but not limited to, environmentally benign machining, atomic layer deposition, cold gas dynamics spraying, fuel cells and hydrogen technology, batteries, and material processing. His current interest centers on cutting-edge hydrogen energy generation and storage.