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Biographies

Kapil Gupta is working as Associate Professor in the Dept. of Mechanical and Industrial Engineering Technology at the University of Johannesburg. He obtained Ph.D. in mechanical engineering with specialization in Advanced Manufacturing from Indian Institute of Technology Indore, India in 2014. Advanced machining processes, sustainable manufacturing, green machining, precision engineering and gear technology are the areas of his interest. Several SCI Journal and International Conference articles have been credited into his account. He has also published some books on hybrid machining, advanced gear manufacturing, micro and precision manufacturing etc. with renowned international publishers.

Arno Louw, is a Senior Specialist in Instructional Design at Center for Academic Technologies, University of Johannesburg. He is specialized in engineering education 4.0, e-learning, virtual reality based education, gamification, and game-based learning. Arno has delivered several invited and keynote speeches in the international symposiums, conferences, and workshops on teaching and learning. Arno has published many papers in international conference proceedings and journals. He is extensively involved in training lecturers and staff on using learning management system and operating university's educational portal (blackboard). He is busy doing many local and international projects on Industry 4.0 based higher education.

Madindwa Mashinini is a Senior Lecturer in the Dept. of Mechanical and Industrial Engineering Technology at the University of Johannesburg. He holds a post of head of the department currently. He obtained PhD in welding technology and conducting research in advanced manufacturing. He has published many papers in international journals and conference proceedings of repute. He is supervising postgraduate students in mechanical engineering. Madindwa is a member of many professional societies and serving as a member of advisory committees of conferences. He is also busy doing research projects and publications in teaching and learning.

Doctor Mukhawana is a Lecturer in the Dept. of Mechanical and Industrial Engineering Technology at the University of Johannesburg. He holds a Master degree with specialization in manufacturing engineering. Doctor is a member of various committees of research and teaching and learning. He is pursuing PhD in manufacturing engineering. He has published many conference articles. Doctor is doing research projects in manufacturing engineering and teaching and learning. Project-based learning, virtual reality-based education, game-based education, and engineering education 4.0 are the areas of his interest. He is busy implementing innovative techniques for the improved teaching and enhanced learning of the students. Recently, he has developed a virtual lab for manufacturing engineering students.