**1. Short CV of Dr Samuel M. Sackey**

Dr Samuel M. Sackey (MGhIE, MSME) is a Senior Lecturer of the Mechanical Engineering Department, Kwame Nkrumah University of Science and Technology (KNUST). He received a Bachelor of Science degree in Mechanical Engineering from the KNUST, Ghana in 1988, a Master of Science degree in Engineering and Management of Manufacturing Systems from the Cranfield University, Great Britain, in 1996, and a Doctor of Philosophy degree in Mechanical Engineering from the North Carolina Agricultural and Technical State University in 2004. He teaches mechanical design and production engineering, as well as engineering materials, quality assurance, and manufacturing systems related courses.

His research interests broadly include minimization of damage in material-process interactions, product and process quality improvement in engineering manufacture, and maintenance management including in agricultural machinery systems.  Others are: investigating processing difficulties associated with composite materials, product quality management, product innovation and product development, value stream systems, and technology transfer. Others are mechatronics, automation and control systems in mechanical engineering and manufacturing systems involving the application of PLCs, logic control systems and microprocessors and recently, impact of engineering higher education on economic development.

Dr Sackey is the current Head of the Mechanical Engineering Department, of the Kwame Nkrumah University of Science and Technology (KNUST), Ghana.

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**2. Short CV of Professor Mohammad M. Megahed**

Dr. Mohammad M. Megahed is an emeritus professor of Solid Mechanics in the Department of Mechanical Design and Production of the Faculty of Engineering, Cairo University. He obtained his Ph.D. from the University of Leicester, England, UK in 1978. He teaches, develops courses, conducts and supervises research in the areas of stress analysis, elasticity, plasticity, failure analysis, finite elements, pressure vessels and piping, fatigue, creep, fitness for service, etc**.**

He has published more than 80 papers in reputable international journals and conferences and supervised more than 22 M.Sc. and Ph.D. students. In March 2014, his h-index lies at 14 and more than 560 citations. Some of his research was made in response to national needs of the industry in Egypt. In appreciation of his activities, he won the "State Prize for Encouraging Engineering Research" in 1990, and in the year 2000, he won the "State Prize for Distinction in Engineering Sciences".

He held a number of senior administrative positions at Cairo University. He was the executive

director of the Center for Advancement of Post Graduate Studies and Research in Engineering

Science at Cairo University (CAPSCU) during the period 1998 - 2005 during which CAPSCU

successfully provided more than 600 consulting task to the national and regional industry. He

served as "Vice Dean for Academic and Student Affairs" at the college of Engineering, Cairo

University during the period 2005-2007. In 2008, he was chosen as the “General Secretary: of

the SCU (Supreme Council of Universities) engineering sector committee

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**3. Short CV of Dr. Venkata Ramayya Ancha**

Dr. Venkata Ramayya Ancha is a Professor of Mechanical Engineering and Sustainable Energy Engineering Chair in the Department of Mechanical Engineering at Jimma Institute of Technology(JiT), Jimma University. He graduated in 1983 with B.Tech (Mechanical) from NIT,Warangal, in 1986 with M.E (Thermal Systems Engineering) from I.I.Sc, Bangalore and in 1990 with Ph.D in Mechanical Engineering from I.I.T, Madras, all located in India. He teaches Power Plant engineering, Thermo-fluid System Design, Refrigeration and Air Conditioning, Gas Dynamics and Jet Propulsion, Turbo machines, Fluid Mechanics, Heat and Mass Transfer for UG students; Energy Systems Modeling and Simulation, Renewable Energy Systems Design including Solar, Bio, Wind and Fuel cells apart from Research Methods for M.Sc students. He has several best teacher awards, best paper awards apart from National award from Professional societies and around 104 research publications in Journals/Conference Proceedings biographical listings in Marqui’s Who’s Who in Science and Engineering, USA etc. He was promoted to full Professorship in 1999 and has been working in JU, Ethiopia since November 2001 on wards

Research Interests

Fluidized Bed Heat Transfer and Dynamics, Exergy Analysis, Computational Fluid Dynamic Simulations, Energy Systems Optimization, Biomass Gasification and Pyrolysis, Solar Thermal Engineering, Wind Turbine Design Optimization, Micro Hydro power and Cross Flow Turbines, Energy Storage with PCM, Fuel Cells

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**4. Short CV of Dr Venant KAYIBANDA**

Dr.Venant Kayibanda is Senior Lecturer and Head of Mechanical Engineering Department at Kigali Institute of Science and Technology (KIST). He graduated in 1995 with Bsc, in 1996 with Msc , and in 2010 with PhD from Don State Technical University(DSTU) ,Rostov-on- Don, Russia. He teaches Mechanical Vibrations, Applied Thermodynamics, Automobile Technology, Maintenance Management &reliability, Engineering operations & management, Dynamics of Machines and Engineering drawing for UG students; Renewable Energy Systems Design including Geothermal, Solar, Bio and Wind for M.Sc students. He has research publications in Engineering Journals. He was promoted to Senior Lecturer in 2011 and he has been working in KIST since November 2003.

**Research Interests**

Vibration in Mechanical Engineering: Research activities are conducted on the application of Mechanical Vibration for improvement of efficiency of technical equipments such as Compressors, compactors. Research activities are also focused on implementation of Vibrating technology in automotive repairs and services

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**5. Short CV of Dr. Moses P.M. Chinyama**

Dr Chinyama is a Senior Lecturer and former Dean of the Faculty of Engineering and Vice Principal of the University of Malawi - the Polytechnic. He is a Chartered Engineer registered with the Engineering Council of UK. He obtained his PhD in Thermo-fluids from Imperial College of Science Technology and Medicine of the University of London in 2006. He also has a Masters degree in Manufacturing Systems Engineering from the University of Warwick (UK) obtained in 1996 and BSc in Engineering (Mechanical) from the University of Malawi obtained in 1990. He has published a number of articles in refereed journals and a contributed two chapters in books titled ‘Cleaner Production and Consumption in East and Southern Africa: Challenges and Opportunities’, and ‘Alternative Fuel’. He has contributed to the body of knowledge in Combustion and Cement Processing through research and publications.

Dr Chinyama has recently been appointed Team Leader of the newly established Malawi University of Science and Technology on secondment from the University of Malawi. He has special research interest in manufacturing and processing, bio-energy, combustion and the environment.

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**6. Short CV of Dr. Béatrice Delpouve,**

Doctor in Biochemistry and Engineer in Food Processing Industry,, Beatrice Delpouve has been working since 1988 at the central level of the University of Lille (France), for the development of the European programs for Research and then for Higher Education. She is participating to the creation and implementation of joint curricula and is involved to the comparison of the three cycles and study programs (European levels, TEMPUS, EUA and TUNING projects in Europe and its feasibility in Africa, JOIMAN project). She is as well involving in different international projects leading to international cooperation and mobility. She works with all continents, especially European, African countries, Brazil and China.

She is being asked by the European Commission to help HE institutions to implement ECTS, the DS, joint degrees and European Projects even outside Europe as a Bologna expert.

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**7. Short CV of Dr Shadreck Chama**

Dr Shadreck Chama holds a PhD in Material Science and Engineering from the University of Liverpool, UK (2001), a Master of Science degree in Advanced Engineering Materials from the University of Liverpool, (UK) (1996), and a Bachelor of engineering degree in Mechanical engineering from the University of Zambia (1994). He joined the Copperbelt University in 1995 as a Staff Development fellow and has been there since. During this period he has taught several courses including Material Science, Fracture Mechanics and production and operations management at the undergraduate and postgraduate levels. He has held a number of positions in the University including that of Assistant Dean, Head of postgraduate studies, Dean of the School of Engineering, a member of Senate and a member of the University Council, acted as Vice Chancellor and is currently the Deputy Vice Chancellor for the Copperbelt University.

On the international scene he is a member of the AAU supported and European Union funded project called Tuning Africa, whose broad terms are to foster harmonization of curricular across African Universities with the specific aim of gravitating towards competency based teaching for all degree programs. He is also an executive member of the UNESCO founded World Academy of Young Scientists (WAYS) and the Secretary General of WAYS-Africa Unit. The World Academy of Young Scientists (WAYS) is an international organization devoted to advancing science and enhancing the situation of young scientists throughout the world.

**Research interests**

* Development of novel light alloys for aerospace applications.
* Study of oxidation- development of stable protective oxides
* Microstructural evolution during processing and microstructure-property relations

Manufacture and characterization of aluminium metal foams

**8. Short CV of Dr N Mahomed**

Dr Nawaz Mahomed has a BSc Eng Degree and MSc Eng Degree from the University of Cape Town, and a PhD from the Institute of Fundamental Technological Research, Polish Academy of Sciences, specialising in modelling and computational simulation of high viscous flows with applications in injection moulding and metal casting. He held positions of Head of Department of Mechanical Engineering at CPUT, Director of R&D at Central University of Technology, and Portfolio Manager in Materials Science and Manufacturing at the Council for Scientific and Industrial Research. He later joined the Department of Science and Technology for 5 years as Director for Local Innovation, Manufacturing and Technology Localisation, where he was involved in the establishment of a range of research & technology programmes in advanced manufacturing, materials, and regional innovation. Thereafter, he headed up the Institute for Maritime Technology linked to the Defence Industry. He is currently Dean of Engineering at CPUT

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**9. Short of CV André Müller**

André Müller is the head of the Centre for Academic Planning and Quality Assurance at Stellenbosch University in South Africa. He coordinates the approval of new programme submissions and changes proposed to existing academic programmes (across ten faculties). He also facilitates the quality assurance and quality enhancement processes with regard to external evaluations of departments and support services, and institutional and national reviews.

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**10. Short CV of Raïdandi DANWE**

**Raïdandi DANWE** is a Civil Engineer, and holds a PhD (Doctorat) degree in Civil and Mechanical Engineering from the École Normale Supérieure de Cachan (France) since 1993. He is Professor at the Ecole Nationale Supérieure Polytechnique of the University of Yaoundé I. In the Department of Industrial and Mechanical Engineering, he teaches Elasticity, Vibrations, mechanical modeling and Simulations, Structures analysis, Plasticity, Thermodynamics and mechanics of continuous media, Structural optimization, Maintenance, Reliability and Quality. His research activities include Materials and Structures (Modeling of structures, composites, structural analysis, non-linear mechanics), Computer-integrated manufacturing (Optimization, Maintenance, quality). He’s been Head of the Mechanical Engineering Department at the University of Douala, Head of the Coordination and Promotion of Research Department at the University of Yaoundé I. He has also been Member of Cameroonian Parliament, and 1st Secretary of the Education Committee. He is the current Director of the Higher Institute of the Sahel of the University of Maroua, Cameroon.

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**11. Short of CV Prof Léonard Kabeya Mukeba Yakasham**

**Bibliograhie sommaire de Prof Léonard Kabeya Mukeba Yakasham**

Le Docteur L.Y.M. Kabeya est professeur à l’Enseignement Supérieur, Universitaire et Recherche Scientifique ( ESURS ISTA-Kinshasa) de la République Démocratique du Congo. Il est Doyen de la Faculté de Mécanique. Il a eu son diplôme d’Ingénieur technicien en mécanique d’aviation à l’Université Nationale du Zaïre / ISTA-Kinshasa en 1981, le diplôme de maîtrise en mécanique de l’Ecole normale de Paris en 1984, et une thèse de doctorat en sciences d’orientation mécanique des fluides à l’Université de Liège, Belgique en 2007. Il a une expérience de 6 ans en qualité de Directeur Technique dans l’usine GENERAL MOTORS de 1985 à 1991, de Directeur Technique et de Production du Centre de Recherche pour les Problèmes de la Défense (CRPD), de 1999 à 2002. Chercheur PostDoc auprès de l’ALTECH sa Waremme et AEC, Expert international de l’Organisation Internationale de Migration (OIM-Mida) à l’ISEA Busogo, Rwanda et Kigali Institute of Sciences and Technology, Consultant Expert national et international pour les projets de développement communautaire. Professeur de 3è cycle à l’Université Pédagogique Nationale (UPN) de Ngaliema et aussi Président du Jury de thèse de doctorat en Sciences de spécialité mécanique en 2013.

A l’ISTA il dispense les cours ci-après : Séminaire de master sur la Conception et fabrication mécanique. Au deuxième cycle : Système mécanique de production, Machines de conditionnement et de conservation, Industries frigorifiques, la Simulation et la modélisation des systèmes de propulsion, Séminaire du génie mécanique et systèmes multi variables. Au premier cycle : fabrication mécanique et machines thermiques.

Ses axes de recherche : Interfaces Solide-fluide en « CFD (Computational Fluid Dynamics), Energy, Mass and Heat Transfer,Thermodynamics, Internal Combustion Engine, p-Version Finite element method », Méthode de Volumes finis, « Design and Manufacturing Engineering, Bibliography », Projet de développement communautaire. Membre du Comité scientifique, et Point focal de l’Exposition de l’ESU 2011 et de l’ESURS 2012. Membre de l’ASME ( American Society Mechanical Engineering) et de Tuning.

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