OLUKAYODE I. IMOLE



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Education	Doctor of Philosophy Discrete element simulations and experiments: towards applications for cohesive powders University of Twente, The Netherlands	March 2014	
	Master of Science, Quality, Safety and Environment Otto-von-Guericke University, Magdeburg, Germany Thesis: Investigation of the disintegration process during the sol-gel synthesis of titania nanoparticles	March 2010	
	Bachelor of Engineering , Mechanical Engineering University of Ado-Ekiti, Nigeria Thesis: Experimental study of steady natural convection in a rectangular enclosure.	December 2005	
Work experience	Post-doctoral Researcher , Multi-Scale Mechanics, University of Twenter DEM, micro-macro transition and FEA Implementation for packings	e April. '14 – present	
	Marie Curie PhD Researcher, University of Twente	Aug. '10 – March. '14	
	Secondment to Nestle Product Technology Center, Orbe, Switzerland March–May. '11, Feb. '12 Flowability, oedometric and application tests on cohesive food powders		
	KPMG, Nigeria – Associate Audit and financial advisory services	Oct. '07–July '08	
	Seven-up Bottling Company PLC, Nigeria – Intern Worked with a team of mechanical process engineers to keep process plants	May – Nov '04 at maximum efficiency	
Selected Journal publications	 O.I. Imole, N. Kumar, V. Magnanimo and S. Luding, "Hydrostatic and shear behavior of frict less granular assemblies under different deformation paths", KONA, 30, 84-108, 2013 O.I. Imole, M. Wojtkowski, V. Magnanimo and S. Luding, "Micro-macro correlations and aniso in frictional granular assemblies under uniaxial deformation", Phys. Rev. E., Accepted, 2014 N. Kumar, O.I. Imole, V. Magnanimo and S. Luding, "Effects of polydispersity on the mimacro behavior of granular assemblies under different deformation paths", Parcticuology, In preprint O.I. Imole, T. Weinhart, D. Krijgsman, E. Chavez, M. Ramaioli and S. Luding, "Experiments discrete element simulation of the dosing of cohesive powders in a simplified canister", In preprion, 2014 O.I. Imole, M. Paulick, V. Magnanimo, E.C. Montes, M. Ramaioli, A. Kwade and S. Luding, "Experiments", 2014 		
	powders", In preparation, 2014		
Refereed Proceedings	 O.I. Imole, M. Wojtkowski, V. Magnanimo and S. Luding, "Force correlations, anisotropy, and friction mobilization in granular assemblies under uniaxial deformation", In A. Yu and S. Luding, editors <i>Powders and Grains, AIP Conf. Proc.</i>, 1542, 601-604, 2013 N. Kumar, O.I. Imole, V. Magnanimo and S. Luding, "Evolution of the Effective Moduli for Anisotropic Granular Materials during Shear.", In A. Yu and S. Luding, editors <i>Powders and Grains, AIP Conf. Proc.</i>, 1542, 1238-1241, 2013 M. Wojtkowski, O.I. Imole, V. Magnanimo and S. Luding, "Force correlations, anisotropy, and friction mobilization in granular assemblies under uniaxial deformation", In A. Yu and S. Luding, editors <i>Powders and Grains, AIP Conf. Proc.</i>, 1542, 1238-1241, 2013 		
Non-Refereed Proceedings	O.I. Imole , N. Kumar, and S. Luding, "Deformation modes of packings of frictionless polydis- perse spheres", <i>Particulate Systems Analysis Conference Proceedings</i> , 1-6, 2011		

	 N. Kumar, O.I. Imole, V. Magnanimo and S. Luding, "Deformation M Frictionless Polydisperse Spheres," Advanced Materials Research, 508, 160 O.I. Imole, N. Kumar and S. Luding, "Element test experiments and si wards cohesive powders", In E. Oate and D. R. J. Owen, editors II Intel Particle-based Methods - Fundamentals and Applications, 1-10, ICNME Bas.C. Thakur, O.I. Imole, M. B. Wojtkowski, V. Magnanimo, E. C. Montes, dian, and J. Y. Ooi, "Characterization of cohesive powders for bulk handling In M. Bischoff, E. Oate, D. R. J. Owen, E. Ramm, and P. Wriggers, ed Conference on Particle-based Methods - Fundamentals and Applications, 2013. A. R. Thornton, D. Krijgsman, A. T. Voortwis, V. Ogarko, R. Fransen, S. O.I. Imole, T. Weinhart, and S. Luding, "A review of recent work on the I at the University of Twente: An introduction to the open-source package 	Modes for Assemblies of 165, 2012 mulations: from dry to- marcelona 2011 M. Ramaioli, H. Ahma- g and DEM modelling", ditors III International 1-12, ICNME Stuttgart G. Gonzalez, O. Bokhove Discrete Particle Method MercuryDPM", DEM6	
	Conference Proceedings, 1-6, Golden, Colorado 2013.		
Other Scientific Contributions	PARDEM State of the Art Work Package Report: DEM Model Validation Experiments, pages 1-86, 2011.PARDEM Work Package Report: Characterization for Calibration of DEM datasets, pages 1-53 2011.		
Languages	PARDEM Work Package Report: Data Mining in DEM datasets, pages 1-53, 2011. Dutch (CEF–A2) English: Native German: A1		
Teaching/Other Services	Programming in Engineering (PiE), University of Twente Reviewer for scientific journals: Granular Matter (GM), International Journal of Solids and Structures (IJSS), Journal of Nanopar	May–July 2011, '12 ticle Research	
Academic achievements	Marie Curie Fellowship for Doctoral Research, University of Twente DAAD full Scholarship Award, for M.Sc, Ott-von-Guericke University, Germany Top Graduating Student, Dept. of Mechanical Engineering, University of Ado-Ekiti, Nigeria Best presentation award, discrete and particle methods workshop, 16th Engineering Mechanics Symposium, Lunteren, The Netherlands	Aug. '10 - '13 Oct. '08 - '09 Dec. '05 Oct. '13	
Proficiencies/ Skills	Languages: Basic C, C++, AWK Software: MATLAB, EDEM, MercuryDPM OS Platforms: Linux (Debian and Ubuntu), Windows 7 Applications: LaTeX, IMAGEJ, Inkscape		
Workshops/ Trainings	Introduction to the Process Industry, BASF Image Analysis training, Lausanne Complimentary Skills–Networking and Collaboration, Vienna Software Training–EDEM and PFC, Vienna	Sept. 2012 Jan. 2012 Aug. 2010 Aug. 2010	
Hobbies	Soccer, piano, violin, peer-educator trainer		
References	Prof. dr. Stefan Luding, Chair, Multi-Scale Mechanics, University of Twente. Email: s.luding@utwente.nl		
	Dr. Edgar Chavez, Nestlè Product Technology Center, Orbe, Switzerland Email: BrunoEdgar.ChavezMontes@rdor.nestle.com		
	Dr. Vanessa Magnanimo, Asst. Professor, Multi-Scale Mechanics, University of Twente. Email: v.magnanimo@utwente.nl		