Faculty Name:	Dr. Mohammed Siddig Hassan Mohammed
Education:	➢ Ph.D. in Engineering Chonnam National University, Republic of Korea, Yesou, 2013 ➢ M.Sc. in Radiation Physics. Sudan Academy of Sciences, Sudan, Khartoum, 2007 ➢ Post Graduate Diploma in Physics. Sudan University of Science and Technology, Sudan, Khartoum, 2004. ➢ B.Sc. in Physics Sudan University of Science and Technology, Khartoum, 2002
Academic experience:	➢ Assistant Professor, King Abdulaziz University, April 2015 – Present ➢ Post-doctoral fellow, Chonnam National University, Republic of Korea, Yeosu 2013-2014
Non-academic experience	➢ Sudan Atomic Energy Commission (SAEC), NDT Department, Khartoum, Research assistant 2003-2007, Researcher 2007-2008, and Assistant Research Professor 2014-205. ➢ Innovation Centre for Safety Diagnosis Technology of Heavy and Chemical Facilities, Chonnam National University, Republic of Korea, Yeosu. Part-time NDT researcher, during Ph.D. course and Post-doctoral fellowship, 2010-2014. ➢ De-Tect Unit Inspection, Cape Town, South Africa NDT Engineer 2008-09.
Certifications or professional registrations	➢ Radiographic Testing level III, EN ISO 9712. ➢ Liquid Penetrant Testing level III, EN ISO 9712. ➢ Ultrasonic Testing level II, EN ISO 9712. ➢ Magnetic Particle Testing level II, EN ISO 9712.
Service activities	➢ Project coordinator: Establishing Sudan Atomic Energy Commission as a regional examination center for qualifying NDT personnel, a triangular project (AFRA-IAEA, South Africa, and Sudan), 2014-2015. ➢ Project coordinator: Strengthening regional training capabilities in NonDestructive Testing, an AFRA-IAEA project, 2005-2006. ➢ Project coordinator: Promoting self-reliance and sustainability of NDT facilities, an AFRA-IAEA project, 2006-2008. ➢ Quality management officer, NDT Department, SAEC, 2007-2008 & 2010.
Publications & presentations from the past five years	1. M.S. Mohammed and Kim Ki-Seong, Improving an adaptive filtering system for ultrasonic testing, Insight-Nondestructive testing and condition monitoring (The Journal of the British Institute of NonDestructive Testing), Vol.56, No.5, 2014. 2. M.S. Mohammed and Kim Ki-Seong, Probability of detection simulations to study the influence of surface roughness on the reliability of ultrasonic testing system, Russian journal of non-destructive testing, Vol.50, No.4, pp. 239-247, 2014.

	3. M.S. Mohammed and Kim Ki-Seong, Application of variant least-meansquares adaptive algorithms for filtering material grain noise, Insight-Nondestructive testing and condition monitoring (The Journal of the British Institute of Non-Destructive Testing), Vol.55, No.11, pp. 593595, 2013. 4. M.S. Mohammed and Kim Ki-Seong, Shift-invariant wavelet transform for signal de-noising in ultrasonic testing, Insight-Nondestructive testing and condition monitoring (The Journal of the British Institute of NonDestructive Testing), Vol.54, No.7, pp.366-370, 2012. 5. M.S. Mohammed and Kim Ki-Seong, Adaptive methods for resolution enhancement of ultrasonic NDT signals: Comparative exploration, Russian journal of non-destructive testing, Vol.48, No.5, pp. 285-290, 2012. 6. M.S. Mohammed and Kim Ki-Seong, Sign Least Mean Squares_Based Deconvolution Technique for Ultrasonic Testing, Russian journal of non-destructive testing, Vol.48, No.10, pp. 609-613, 2012. 7. M.S. Mohammed and Kim Ki-Seong, Performance Evaluation of the Digital Smoothing Polynomial Filter in Ultrasonic IRIS Applications, Russian journal of non-destructive testing, Vol.49, No.3, pp. 159-163, 2013. 8. M.S. Mohammed and Kim Ki-Seong, An approach to the assessment of ultrasonic inspection systems: Probability of Detection simulations, Conference of the Korean society of non-destructive testing, pp. 43-47, Yeosu, May 2013. 9. M.S. Mohammed and Kim Ki-Seong, Boosting the Reliability of Ultrasonic Non-destructive Testing by Using Digital Signal Processing Methods, Conference of the Korean Society of Mechanical Engineers, pp. 91-98, Yeungnam University, April 2012. Korea.
Professional development activities	➢ Instructor in the Industry, South African Oil and Gas Alliance, Cape Town, South Africa, 2009. ➢ NDT Operations Management based on ISO 9001:2000 certified quality management system, De-Tect unit inspection, Cape Town, South Africa, 2007. ➢ National training course, NDT for civil engineering, SAEC, Khartoum, Sudan, 2006. ➢ National training course, applications of radiotracers for leak detection in heat exchangers, SAEC, Khartoum, Sudan, 2006. ➢ Regional (AFRA) training course, applications of radioisotopes in industries, Cairo, Egypt, 2006. ➢ Regional (AFRA) training course, general process control, Quality control/Quality assurance, radiation dosimetry, safety procedures and new engineering developments in industrial irradiator, Cairo, Egypt May 2005.