

Cloud Computing and Big Data Can Improve the Quality of Our Life

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Abstract: The rise of Cloud Computing and Big Data has played influential roles in the evolution of IT services and has made significant contributions to different disciplines. For example, there are ten services that cannot be achieved without the combined effort from Cloud Computing and Big Data techniques: They are Storage as a Service, Health Informatics as a Service, Financial Software as a Service, Business Intelligence as a Service, Education as a Service, Big Data Processing as a Service, Integration as a Service, Security as a Service, Social Network as a Service and Data Visualization as a Service (Weather Science) respectively, in which the keynote speaker will summarize the motivation, methods, results and contributions in each service. He will explain how the unique services can improve the quality of our life by understanding the complex biological and physiological science and ensuring the best approaches of treatments and actions can be adopted. These include development projects and successful deliveries in brain segmentation and learning, proteins and body defense mechanisms, tumor studies and DNA sequencing. Research and enterprise contributions to other disciplines are available which include Business Intelligence as a Service to provide accurate and up-to-date tracking of risk and prices with regard to the investment, as well as contributions for weather data visualization and forecasting to inform the general public about the consequences of the extreme weather.

BRIEF BIOGRAPHY

Dr. Victor Chang is a Senior Lecturer in the School of Computing, Creative Technologies at Leeds Beckett University, UK and a visiting Researcher at the University of Southampton, UK. He is an expert on Cloud Computing and Big Data in both academia and industry with extensive experience in related areas since 1998. Dr Chang completed a PGCert (Higher Education) and PhD (Computer Science) within four years while working full-time. He has over 70 peer-reviewed published papers. He won £20,000 funding in 2001 and £81,000 funding in 2009. He was involved in part of the £6.5 million project in 2004, part of the £5.6 million project in 2006 and part of a £300,000 project in 2013. Dr Chang won a 2011 European Identity Award in Cloud Migration. He was selected to present his research in the House of Commons in 2011 and won the best student paper in CLOSER 2012. He has demonstrated Storage as a Service, Health Informatics as a Service, Financial Software as a Service, Education as a Service, Big Data Processing as a Service, Integration as a Service, Security as a Service, Social Network as a Service, Data Visualization as a Service (Weather Science) and Consulting as Service in Cloud Computing and Big Data services in both of his practitioner and

academic experience. His proposed frameworks have been adopted by several organizations. He is the founding chair of international workshops in Emerging Software as a Service and Analytics and Enterprise Security. He is a joint Editor-in-Chief (EIC) in International Journal of Organizational and Collective Intelligence and a founding EIC in Open Journal of Big Data. He is the Editor of a highly prestigious journal, Future Generation Computer Systems (FGCS). He is a reviewer of numerous well-known journals. He has 27 certifications with 97% on average. He is a keynote speaker of CLOSER/WEBIST/ICT4AgeingWell 2015. Dr Chang has published three books on Cloud Computing which are available on Amazon website.