

NII ATTOH-OKINE

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Biographical Sketch

Nii Attoh-Okine is a Full Professor at the Civil and Environmental Engineering Department, University of Delaware. He received his Dipl-Ing in Applied Mechanics from Rostov Institute of Civil Engineering, Rostov-on-Don, Russia. He also received a PhD in Civil Engineering and Minor in Statistics from the University of Kansas in 1992.

His research interests are in the area of computational intelligence and large data analytics in infrastructure systems. He has applied various computational intelligence techniques including Bayesian Networks, Belief Functions and Rough Sets to various civil infrastructure problems to include railway systems in US and worldwide. He has numerous publications on management of uncertainty, neural networks and tensor analysis. His articles have appeared in several journals including Institute of Electrical and Electronics Engineers (IEEE), American Society of Civil Engineers (ASCE), American Railway Engineering and Maintenance of Way Association, and Canadian Journal of Civil Engineering. He has received research grants and contracts from the Federal Highway Administration (FHWA), Federal Railway Administration (FRA), National Science Foundation (NSF) and ASCE.

He serves as an Associate Editor of the ASCE/American Society of Mechanical Engineers (ASME) Journal of Risk and Uncertainty, ASCE Journal of Computing in Civil Engineering. He is also on the Editorial Board of the Journal of Civil Engineering and Building Materials. Prior to that, Nii Attoh-Okine served as an Associate Editor of ASCE Journal of Bridge Engineering, ASCE Journal of Pipeline Engineering and Practice and ASCE Journal of Infrastructure Systems. He has also served as Chair and Co-Chair of major conferences on Uncertainty and Risk Analysis.

His teaching interests are in the area of probability and statistics and large data analytics in civil infrastructure systems. He has taught graduate and undergraduate courses in probability and statistics, pavement design and management as well as advanced data analysis and forecasting. He has also served on the doctoral dissertation committees of 15 PhD students in Civil Engineering, Electrical Engineering and Geological Engineering as a chairperson.