

A Hybrid Text Mining and Machine Learning Model for Cost Estimating at Early Design Stage & Building Information Modeling (BIM) Data Analytics for Measuring



Prof Baabak Ashuri

Prof Baabak Ashuri is Professor in Schools of Building Construction, and Civil & Environmental Engineering, and Fellow of Brook Byers Institute for Sustainable Systems at Georgia Tech.

Time: 2 - 3 pm, 30 March 2023

Location: Chadwick Building 102A/B

Zoom meeting room:

<https://ucl.zoom.us/j/5942880382>

Presenter Introduction:

Since 2015, Dr. Ashuri specializes in Risk Management, Quantitative Methods, Data Analytics, Project Finance, Innovative Project Delivery, Alternative Contracting Methods (ACM), and Cost and Schedule Risk Analysis, all of which are critical to this research. Dr. Ashuri has 203 publications in these fields, including 65 refereed journal articles, 90 peer-reviewed conference papers, 45 research reports and guidebooks, 1 co-edited book, and 2 referred book chapters. Dr. Ashuri has great expertise in assisting transportation agencies in implementing risk management and alternative project delivery selection guides. Dr. Ashuri is the developer of CRAFT©, Comprehensive Risk Assessment for Transportation, the risk analysis software developed for the Office of Program Delivery at the Georgia Department of Transportation. GDOT project managers use this software to rigorously identify, assess and mitigate risks throughout various phases of plan development process for highway projects. Dr. Ashuri also developed “Next-Gen Design-Build (DB) Assessment tool” – an automated software system specifically developed to assess the cost-effectiveness of selecting DB for a GDOT highway project. This research project received the 2013 AASHTO High Value Research “Sweet Sixteen” Award. Dr. Ashuri received many awards including the American Society of Civil Engineers (ASCE) (Thomas Fitch Rowland paper award) and the DB Institute of America (DBIA) (Distinguished Leadership – Faculty). Dr. Ashuri is also a member of key technical committees in FHWA and Transportation Research Board (TRB).

Organizers:

Department of Civil, Environmental and Geomatic Engineering, UCL
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