



**PERSATUAN KEBANGSAAN KONKRIT SIAP BANCUH MALAYSIA
NATIONAL READY-MIXED CONCRETE ASSOCIATION OF MALAYSIA**

Concrete Technology: Materials, Mix Design and Remedies for Defects in Concrete

Dr. Jegathish Kanadasan

Dr Jegathish Kanadasan completed his Bachelor in Civil Engineering at University Tenaga Nasional (UNITEN) in year 2011 before enrolling directly into a Ph.D. programme at University Malaya. He received his Ph.D. in Concrete Technology from the faculty of Civil Engineering in 2016. His area of expertise includes self-compacting concrete, green concrete, concrete admixtures and concrete durability.

Currently, he is the Manager in Business and Product Development at YTL Cement. He is an investigator at Buildcon Concrete Sdn Bhd whilst working closely with YTL Cement, YTL Slag Cement and Batu Tiga Quarry which are all subsidiaries' companies of YTL Cement. He is actively carrying out research on cement, aggregates and admixtures to develop new types of concrete to suit the industrial applications.

Dr. Hilmi Bin Mahmud, PhD

Dr. Hilmi is Professor at the Department of Civil Engineering, University of Malaya. He received his PhD in concrete technology from the University of Sheffield, UK in 1987. He was a former Vice President of the Concrete Society of Malaysia and a Committee Member of the American Concrete Institute (KL Chapter).

He has served on a number of cement and concrete technical committees of SIRIM, Cement and Concrete Association of Malaysia, as well as the Construction Industry Development Board of Malaysia. His research interests are in concrete technology, utilization of wastes and structural repair.

Ir. Parnam Singh B.E. (Hons), Msc. (Civil), U.K.

Ir. Parnam Singh graduated from the Queen's University of Belfast, U.K. in 1989. He is a registered Civil Engineer with the Board of Engineers Malaysia and The Institution of Engineers Malaysia. He has more than 27 years of experience in the assessment and repair of concrete structures. He served L&M Structures Sdn Bhd as Technical Manager from 1990 to 2000. He is currently the General Manager of RNC Technology (M) Sdn Bhd, leading a team of managers and engineers specializing in concrete assessment and repair technology. He has spent a life-long career exploring and investigating faults and failures in concrete and has spent several years majoring in forensic engineering. He has published more than 36 technical papers which were presented at national and international seminars and conferences.

Ir. Parnam is the Past President of the American Concrete Institute, KL Chapter, and member of the Concrete Society of Malaysia (MCSM) and Asian Concrete Federation (ACF). He is a registered Specialist Trainer with National Ready Mixed Concrete Association of Malaysia (NRMCA). Ir. Parnam has also been engaged by the National Defense University as Adjunct Lecturer and member of their Industry Advisory Panel and Panel of Project Examiners since 2014. He is a Universiti Malaya Certified Business Coach and has successfully applied his skills in coaching subordinates, entrepreneurs and individuals from different sectors of the construction industry.