

## About the Authors

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### **Bruce W. Ramme**

Bruce W. Ramme is Manager-Land Quality in the Environmental Business Unit of We Energies in Milwaukee, Wisconsin. He is a registered Professional Engineer in Wisconsin and has a BS, MS and EMBA degrees from the University of Wisconsin—Milwaukee in structural, civil engineering, and business administration. He has worked as an engineer and manager for over 25 years in various design engineering, project management, operations, and research positions. Part of his present work assignment is to develop high value uses and maintain full utilization of We Energies' coal combustion products. Prior to joining We Energies, Bruce worked in plant engineering at A.O. Smith's Powder Metallurgy Division, and as a structural engineer at Industrial Consulting Engineers, Inc. and Lakeside Bridge and Steel Company.

Bruce is a member of ACI Committees: 229 Controlled Low Strength Materials, 213 Lightweight Aggregates, 230 Soil Cement, and 232 Fly Ash and Natural Pozzolans, and 555 Recycled Materials. Bruce is also a past president of the ACI Wisconsin Chapter and the Southeast Branch of the Wisconsin section of ASCE.



### **Mathew P. Tharaniyil**

Mathew P. Tharaniyil is the President of Bloom Consultants, LLC in Milwaukee, Wisconsin. He has a bachelor's degree in Civil Engineering from the University of Calicut and a master's degree in Structural engineering from the University of Wisconsin, Milwaukee. He served as Structural Engineer in the consulting industry and as a Civil/Structural Engineer for the City of Milwaukee for several years, before founding his own firm, Bloom Consultants, LLC in 1998.

He is an active member of the Wisconsin Society of Professional Engineers and has served as President and Secretary/Treasurer of the Greater Milwaukee Chapter. He recently served as a Public Member on the Accounting Examination Board of the Wisconsin Department of Regulation and Licensing. Additionally, Mathew is a member of Heavy Movable Structures Association, Engineers and Scientists of Milwaukee and Associated General Contractors of America. In recognition of his accomplishments, he received the year 2000 "Outstanding Young Engineer of the Year" award from the Wisconsin Society of Professional Engineers. Mathew has also co-authored various technical papers on coal combustion products utilization in construction.