

THE JOHNS HOPKINS UNIVERSITY
DEPARTMENT OF CIVIL AND SYSTEMS ENGINEERING
2025 RICHARD J. CARROLL MEMORIAL LECTURE

REAL CHALLENGES IN CIVIL AND STRUCTURAL ENGINEERING— WHAT WE CAN DO NOW

MIKE SCHLAICH

PARTNER, SCHLAICH BERGERMANN
PROFESSOR AND CHAIR,
TECHNICAL UNIVERSITY OF BERLIN

**THURSDAY,
MARCH 27, 2025
5:30 TO 6:30 P.M.
HOMEWOOD CAMPUS,
GILMAN HALL, ROOM 50**

RSVP



bit.ly/4b87TfP



JOHNS HOPKINS

WHITING SCHOOL
of ENGINEERING

REAL CHALLENGES IN CIVIL AND STRUCTURAL ENGINEERING—WHAT WE CAN DO NOW

Mike Schlaich will offer a fresh perspective on design in civil and structural engineering. He will introduce the audience to the secrets of lightweight structures and will explain why they should be more frequent in the field of construction. Simple building components such as walls and floor slabs will also be addressed as they can help to save tremendous amounts of resources. Finally, he will turn his focus to Africa, where some of the most significant building challenges of this century await.



MIKE SCHLAICH
PARTNER,
SCHLAICH BERGERMANN
PROFESSOR AND CHAIR,
TECHNICAL UNIVERSITY
OF BERLIN

Mike Schlaich has been a partner at schlaich bergermann since 1999 and professor and chair of Conceptual and Structural Design at the Technical University

of Berlin since 2004. He is also a certified checking engineer for structural analysis. Mike completed his studies and dissertation at the ETH Zurich.

He was responsible for award-winning projects such as the Ting Kau cable-stayed bridge in Hong Kong, pedestrian bridges in Rathenow, Oberhausen, Sassnitz, Leer, and Greifswald, as well as road and rail bridges in Geel, Ingolstadt, and Léon. Examples of his extraordinary designs can be seen all over the world. As part of his collaboration with internationally renowned architects, Mike has won numerous national and international awards in recent years, including the German Bridge Construction Award, the Balthasar Neumann Award, and the German Engineering Award. In 2016, he was awarded the Gold Medal from London's Institution of Structural Engineers, and in 2021 the Anton Tedesko Medal of the International Association for Bridge and Structural Engineering.

As a specialist in lightweight structures, Mike is a strong advocate of a holistic, conceptual design approach, which assigns more responsibility to the engineer in order to create a greater contribution to building culture. His designs for high-caliber structures strive to improve the quality of life through ecological, functional, and aesthetic aspects. His curiosity as a scientist and practitioner drives him to always look beyond the horizon and seek new possibilities, designing a holistic approach whenever possible.

ABOUT THE RICHARD J. CARROLL MEMORIAL LECTURE:

The Richard J. Carroll Memorial Lecture in Civil Engineering was established at Johns Hopkins University to commemorate one of Baltimore's leading structural engineers. The lecture has been endowed by the many friends and admirers of Richard Carroll, who died in 1982. That endowment contributes to the ongoing guest seminars in the Department of Civil and Systems Engineering and provides for these special lectures.

Richard J. Carroll received his bachelor of civil engineering degree from Villanova University in 1955. He studied advanced structural design at Johns Hopkins University and George Washington University. He was chief structural engineer for the firms of Knoerle, Bender, Stone, and Associates, and Ewell, Bomhardt and Associates, and chief field engineer for the Portland Cement Association. In 1964, he founded his own firm, Carroll Engineering, Inc., which grew to 26 employees under his leadership. Mr. Carroll published several papers dealing with concrete use and design, with emphasis on post-tensioned and pre-stressed concrete. He also taught courses in ultimate strength design and plastic design in steel. He belonged to numerous professional societies. His untimely death at the age of 49 left a legacy of professionalism, integrity, and vigor.

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