

OSKAR VON MILLER FORUM

Press Release

Membranes in the Construction Sector – Development, Systems, Span Widths

A lecture by Dr. Ewald Bubner, Professor emeritus of Structural Design, University of Duisburg- Essen on October 27, 2016 at 6:30 p.m. at the Oskar von Miller Forum

The spectacular tent-like roof of Munich's Olympic Stadium was erected more than four decades ago. How was it possible to build this complicated structure with the means available at the time, considering that special computing programmes were not yet available? Ewald Bubner was Frei Otto's partner for many years and as such involved in the development of this extraordinary roof structure. In his lecture, Ewald Bubner will outline the development of the membrane construction and tensioned structures, illustrating the work on the basis of models. At that time, models were the only means to compile the information needed to calculate and build such structures using a variety of forms and materials. The focus of his lecture will be on the design of the Olympic roof in Munich.

The lecture is the opening event for the exhibition "Die Fünfte Ansicht" ("The Fifth View") on show from October 28 to November 27 at the Oskar von Miller Forum in Munich. Opening hours: Tuesday to Sunday from 12 noon to 6 p.m.; free admission.

About Ewald Bubner

Prof. Dr.- Ing. Ewald Bubner was partner of Frei Otto in Warmbronn near Stuttgart from 1968 to 1975. In 1976, he became head of the Institute of Structural Design at the University of Essen. At the same time, he worked as a consultant in the field of lightweight construction for 30 companies worldwide. He furthermore is a visiting scholar lecturing at Harvard University in Cambridge, USA, and at the Universidad de Belgrano in Buenos Aires, Argentina, and others.

Ewald Bubner is an author of specialist books and articles and holds lectures on lightweight construction before national and international audiences.