

OSKAR VON MILLER FORUM

Press Release

Opening of the exhibition “Die fünfte Ansicht” (“The Fifth View”) at the Oskar von Miller Forum on October 27, 2016

THE FIFTH VIEW – Of Arches, Shells, Domes, Roofs and Their Engineers

Roofs offer the fifth view of a building and give character to our cities. The exhibition at the Oskar von Miller Forum is devoted to masterly roof structures from antiquity to the present and documents innovativeness and technical excellence delivered by architects and engineers. It explains the design of more than 30 impressive roof projects and portrays the changes seen over the centuries based on numerous models, drawings and photographs.

The Oskar von Miller Forum presents this exhibition in cooperation with the M:AI Museum für Architektur und Ingenieurkunst NRW. To celebrate its opening on October 27, Ewald Bubner, Professor emeritus of Structural Design at the University of Duisburg-Essen, will hold a lecture entitled “Membranes in the Construction Sector – Development, Systems, Span Widths.” Bubner was Frei Otto’s partner for many years and as such involved in developing Munich’s Olympic Stadium. Ursula Kleefisch-Jobst, general curator of the M:AI Museum für Architektur und Ingenieurbaukunst will give an introduction to the exhibition.

The exhibition is open until November 27 from Tuesdays to Sundays from 12 noon to 6 p.m.; admission is free.

THE EXHIBITION

Roofs are not only building tops with a more or less formative influence on our cities that offer inhabitants protection, but can actually be a space for a variety of activities. The exhibition “The Fifth View” is split into two parts featuring both architectural history and contemporary projects. It helps visitors gain insight into how civil engineers and architects created and refined structural and design solutions over the centuries.

The first part, “architectural history,” shows selected projects from antiquity to the 1970s. It begins with the Pantheon, which was completed in 125 AD and is considered a masterpiece of design perfection and grandeur, and ranges to the floating tent-like structure of Munich’s Olympic roof made of acrylic glass and steel.

The following are among the roof structures presented: Hagia Sophia, Istanbul (532 – 562); Crystal Palace, Hyde Park, London (1851); Zeiss Planetarium, Jena (1924 – 1926); Leipzig Market Hall (1927 – 1929); Mannheim Multihalle (1975).

The second part, “contemporary architecture,” documents how computer-aided design and the development of new materials have enabled the design of increasingly spectacular and experimental roof structures worldwide. Ultrathin shells, huge domes, lightweight membrane structures in construction projects such as airports, train stations or stadiums bear witness to the engineering excellence of the 20th and 21st centuries. At the same time, roofs play an increasingly important role in terms of the sustainability of buildings.

The projects presented include (among others): Sydney Opera House (1959 – 1973), Terminal 3, Stuttgart Airport, the tent-like roof structures of the Royal Terminal, Jeddah (2007), Reichstag Dome, Berlin (1999), Metropol Parasol, Seville.

THE ACCOMPANYING PROGRAMME

October 27, 2016, 6:30 p.m.

Keynote lecture to celebrate the opening of the exhibition

Ewald Bubner / University of Duisburg- Essen

“Membranen im Bauwesen – Entwicklung, Systeme, Spannweiten” (*Membranes in the Construction Sector – Development, Systems, Span Widths*)

November 10, 2016, 6:30 p.m.

Patrick Lüth / Snøhetta / Innsbruck

“Obendrauf – das Dach als öffentlicher Raum” (*On Top – Roofs as Public Spaces*)

November 17, 2016, 6:30 p.m.

Knut Göppert / sbp schlaich bergemann partner / Stuttgart

“Unter großen Dächern – neue Techniken und Materialien” (*Under Large Roofs – New Technologies and Materials*)

VENUE AND OPENING HOURS

Oskar von Miller Forum, Oskar-von-Miller-Ring 25, 80333 Munich

www.oskarvonmillerforum.de

October 28 to November 27, 2016, Tuesdays to Sundays, 12 noon to 6 p.m. **Free admission**

OSKAR VON MILLER FORUM

The Oskar von Miller Forum is an educational initiative of the Bavarian construction industry for construction engineers and is sponsored by the foundation Stiftung Bayerisches Baugewerbe. With its programme, the international and interdisciplinary forum provides outstanding input and inspiration for the education of future civil and environmental engineers and architects at the Technical University of Munich and of construction technicians at the College of Construction Engineering.

The Oskar von Miller Forum offers regular events about architecture and engineering. Lectures by internationally renowned scientists, civil engineers and architects and exhibitions devoted to the art of engineering give a broad audience insight into the topic of building.