

Munich, September 12, 2018

Press release

The Forums at BAU 2019

BAU's reputation is founded not only on the presentations put on by the exhibitors – all those well known names and brands that fill the exhibition halls. Of almost equal importance now are the high-quality lectures given in the forums at BAU. Experts from all over the world, among them many prominent planners and architects, come here to give answers to the big questions about the future of building. The key themes that a majority of the lectures will focus on are presented here in brief. These themes are almost identical to the key themes at BAU (cf. also BAU MAG II). The themes of each day in the BAU Forums are presented in the tables below. For a detailed and constantly updated listing of themes and speakers, go to:

www.bau-muenchen.com

Digitalization

Progress in digitalization has really been picking up pace in the building industry in recent years. Digital processes are starting to fundamentally change the business of planning and building, and opening up new and exciting possibilities.

Under the key word “digital”, the events in Forum C2 explore the question of how architecture will change through the use of digital tools and what options will be available through BIM. Using international examples recommendations are put forward on how BIM and digital tools can be used to best effect.

Forum A4 will include a look at how analog processes can be combined successfully with digital-based methods. How can you guarantee planning and cost security? And: do digital processes improve transparency in planning?

When combined with automated manufacturing procedures, digital planning also enables continuous process chains: from design to automated prefabrication in the factory through to the building site. This reduces error rates, shortens assembly times on site and improves the quality of building. This aspect of digitalization in construction will also be highlighted in Forum A4.

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In Forum B0 finally the theme will be explored entirely from the angle of renovation and modernization.

Urban, Living

With an acute shortage of accommodation and spiraling costs of construction in urban areas, the whole subject of residential construction is very much on the political agenda.

The job of local authorities, housing companies, investors and planners is to increase the density of urban development in a sensible and careful way, and in part to come up with new models. New software and data-driven processes can support this because they are capable of uncovering new and untapped potential through the use of adaptive algorithms.

Forum A4 examines future-oriented intelligent utilization concepts for the individual building, the urban district and the town. It's about linking living and working, private and public areas, to provide a quality urban environment for all, with open spaces, despite a higher density of development.

In the "Big Seven" cities of Berlin, Hamburg, Munich, Cologne, Frankfurt am Main, Stuttgart and Düsseldorf, the housing situation has become so acute that smaller towns, for example Augsburg, Freiburg and Münster, are now becoming more attractive and investment there is accelerating. Planners will have to respond to this. Forum C2 looks at unusual housing projects in these areas and the background to them. Comparisons are also drawn between projects in Germany and forward-looking solutions from Switzerland, Austria and Denmark.

In Forum B0 one of the main focuses is on integrating old and new buildings in urban districts.

Light in Architecture

Now that light and smart building have been given a dedicated section in Hall C2, these subjects are of course to be reflected in the forums program. Light is increasingly becoming an integral component in architecture and the planning process. A combination of daylight and artificial lighting is giving rise to inspiring and outstanding solutions in private and public buildings.

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In Forum A4 architects, lighting planners and experts from industry will be exploring themes such as façade design and shading systems, interactive media facades, artificial light in the LED age, building management and smart building. Intelligent lighting technology linked with modern building automation is producing rooms with high thermal and visual comfort, attractive aesthetics and new energy-efficiency potential.

Forum C2 presents up-to-date examples of the use of light in architecture. This involves (day)light deflection and control on the one hand and the targeted use of artificial light on the other. A special focus is on active and passive solar protection.

Series construction, prefabrication

Series or module-based construction is also making great advances. The industrialization of the building sector is continuing, prefabrication processes are once again accepted. The driving forces here are rapid population growth, migration and mobility, demographic and social change and not least increasing pressure of time and costs.

Rapid assembly on site, plannability of costs and time, and certified quality and guarantees are making prefabrication in the factory increasingly interesting to planners. Efficiency does not, however, exclude individuality.

From wall blocks to pre-installed wall modules and whole houses – there is a wide variety in series-produced (building) products. Examples presented in Forum A4 show that series production is more than mass production and that it should be understood as a process.

That series construction is also an option in renovation and modernization work, is emphasized in the lectures in Forum B0.

Further information on BAU 2019:

www.bau-muenchen.com

<http://mag.bau-muenchen.com/>

<https://www.facebook.com/BAUMuenchen>

https://twitter.com/BAU_Muenchen

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About BAU

BAU is the world's leading trade fair for architecture, materials and systems, the largest and most important event for the industry. The next BAU will take place on the exhibition grounds of Messe München from January 14 to 19, 2019. Some 2,200 exhibitors from around 45 countries, and more than 250,000 visitors from all over the world are expected to attend.

On an area of 200,000 m² - the site has been fully booked up for years - BAU is presenting architecture, materials and systems for commercial, residential and interior construction in 18 exhibition halls, both in new and existing buildings. Every two years, it brings the market leaders of the industry together at this overarching building trade exhibition, which is unique worldwide. The range of products and services is structured according to building materials, product sectors and theme areas.

BAU addresses all those involved in the planning, construction and operation of all sorts of buildings. BAU is also the world's largest trade show for architects and engineers, attracting over 65,000 design professionals.

The supporting program with numerous attractive events on the agenda, including top-class panels with experts from all over the world round off the show.

Messe München

Messe München is one of the world's leading trade-show companies. It organizes more than 50 own trade shows for capital and consumer goods and key high-tech industries. Each year, a total of more than 50,000 exhibitors and some three million visitors take part in more than 200 events held at the Messe München trade-fair center, the ICM – Internationales Congress Center München, the MOC Veranstaltungszentrum München as well as abroad. Jointly with its subsidiaries, Messe München organizes trade shows in China, India, Brazil, Russia, Turkey, South Africa, Nigeria, Vietnam and Iran. Messe München has a global business presence with a network of affiliates in Europe, Asia, Africa and South America as well as some 70 foreign representatives serving more than 100 countries.