

Forging the Future of



STAINLESS STEEL

The Stainless Steel World Conference & Exhibition is renowned as the foremost gathering of the global stainless steel community, bringing together the highest concentration of experts and key stakeholders from across the engineering landscape and supply chain. For those seeking to update their knowledge base, the conference affords a perfect setting to catch up on the latest developments, technologies and trends. The conference program, moreover, has been carefully put together so that there is ample time not only to absorb the information from the lectures, but also to search out peers to discuss work challenges, get advice and solutions, negotiate a contract, or just take the opportunity to make new friends and meet up with old ones.

Keynote Speakers

L. WILLIAM ZAHNER

President and CEO of A. Zahner Company, USA

THE VERSATILE METAL – STAINLESS STEEL IN ART AND ARCHITECTURE

The interest in the use of metal in architecture and art over the last several decades has skyrocketed. Metals, in particular stainless steel, have the ability to provide lightweight, durable and aesthetic characteristics for visible surfaces. Stainless steel can impart variable specular influences on the interplay of light across a surface. This lecture will provide an overview of current technological approaches to producing custom surfaces and forms. It will showcase what will be possible in the near future – the articulated façade and the design platform that connects designers to fabricators.



CATHERINE HOUSKA

Senior Development Manager at TMR Consulting, USA

RESILIENCY AND SUSTAINABILITY CREATE OPPORTUNITIES FOR STAINLESS STEEL

Sustainability is a global megatrend with the potential to influence every industry and application. Green building, infrastructure and other rating systems now emphasize material longevity and life cycle analysis. 'Resilient design' is increasingly important because of terrorism concerns and environmental changes, such as coastal flooding and seismic events. These developments present tremendous opportunities for stainless steel, but fully capitalizing on them requires an understanding of the opportunity, third-party documentation, proactive education of decision makers and active participation to guide sustainability standards development. The lecture will review the opportunities for stainless steel and suggested actions.



ALEŠ MIKUŽ

Foundry Manager at Akrapovič, Slovenia

THE FUTURE IS ULTRA-LIGHT

Although electric vehicles are becoming more and more popular, there is still room for improvements in the current 'internal combustion engine' automotive segment. One such opportunity is to optimize the weight of automotive components, thereby lowering fuel consumption and making cars more environmentally friendly. This lecture will review various types of materials and technologies used in exhaust system manufacture, including titanium, stainless steel, nickel superalloys and composites, and discuss their benefits and drawbacks during the development of an ultra-light exhaust. Also discussed will be different production processes concerning the development of a lightweight product.



STEVE PATERSON

Materials and Corrosion Adviser at Arbedie Consultants, UK

KEEPING STAINLESS STEELS SAFE IN OIL AND GAS PRODUCTION FACILITIES

Stainless steels are used widely in oil and gas production facilities and often considered to be 'trouble-free' because of their corrosion resistance. However, assurance of the integrity of stainless steel systems during design, manufacture, fabrication and operation is essential to ensure that process safety is not impacted. This lecture will review some of the key requirements for the safe application of stainless steels in oil and gas production and will be illustrated with some examples of potential pitfalls.

