

Canadian International Aluminium Conference Highlights Innovation, Applications, and Research

The CIAC events, conferences, and exhibition will be held in Montréal, an international city located in the heart of Canada's aluminum industry. (©Photo courtesy of Tourisme Montréal, Stéphan Poulin. Used with permission.)

The Aluminium Association of Canada (AAC) and its members, Alcoa, Aluminerie Alouette, and Rio Tinto Alcan, will cohost the first Canadian International Aluminium Conference (CIAC) from October 21-25, 2013 in Montréal, Québec, Canada, at the Palais des congrès de Montréal. The CIAC is the flagship of a week-long series of aluminum-related events and conferences that will include INALCO 2013, AluSolutions 2013, Mission Design, and Recyc-Québec.

The CIAC event, with its theme: "Aluminium, the game changer," is expected to attract more than 1,000 participants, including aluminum industry executives, researchers, original equipment manufacturers, business professionals, and end users of the metal. Featured speakers and exhibitors will address the latest in aluminum research and development, process and product innovations, and applications to attendees. The CIAC will demonstrate that aluminum is the metal of the future, the game changer in tomorrow's competitive market.

Spotlight on Innovation and Applications

The CIAC conference program will address the economic issues and opportunities for the global aluminum industry. It will focus on the global importance of the industry's innovations, such as additive manufacturing, as well as concrete innovative applications in architecture, building design and construction, infrastructure, transportation, and packaging. Speakers will present achievements and advances in building and construction, illustrated by examples of aluminum's flexibility and durability, and the role of energy in the building envelope and in the aluminum life cycle, including the post-use phase. Aluminum's potential contributions for modernizing North American infrastructure will be addressed regarding new challenges of security, durability, maintenance, and total cost of ownership for bridge and roadway projects.

Transportation sector topics will examine aluminum's role in reducing carbon footprint and fossil fuel use, and relevant challenges and opportunities in developing electric transportation and lighter sustainable vehicles, including applications in train and subway cars, buses, au-

tomobiles, and aircraft. Aluminum's intrinsic properties and their role in market development within the packaging industry will be spotlighted, including positioning challenges in key markets.

Jean Simard, president and general manager of the Aluminium Association of Canada in Montréal and president of the CIAC (pictured), notes, "The CIAC event is the perfect opportunity to highlight Canada's vast aluminum expertise to an international industry audience that seeks to expand its use into increasingly competitive world markets. The CIAC will clearly demonstrate that aluminum is the sustainable metal of the future and promote the industry's key position in today's competitive markets. The CIAC and its in-conjunction conferences will allow Canadian aluminum industry suppliers and equipment manufacturers to position themselves on the global industry stage."



Jean Simard.

"The CIAC and our partners will create excellent networking opportunities with our colleagues from around the world, offering a unique opportunity to share the latest industry research, product innovations, and leading-edge technologies in primary production, forming processes, fabrication, and finishing, as well as best practices for reducing our carbon footprint while increasing operational efficiency."

"The Canadian aluminum industry has achieved an international reputation with its extensive network of private and public research centers. Canada is the third largest aluminum producer in the world and is at the forefront with the most efficient and state-of-the-art equipment. Québec accounts for 90% of the Canadian aluminum production and it produces the greenest aluminum in the world, with a central role in aluminum production and innovation. Smelters in Québec will invest more than \$7 billion in large-scale projects over the next decade. Aluminum represents one of Québec's three largest industrial sectors in production value and international sales volume. High demand for new products presents

the aluminum industry with substantial opportunities, since global aluminum demand is expected to double by 2020 and triple by 2030. Our industry gathering is essential in shaping that demand, and defining how aluminum products and processes develop going forward.”

Companion Conferences and Exhibition

The 12th International Aluminium Conference (INALCO 2013) will present research and technical knowledge on aluminum designs and applications on October 21-22, as part of the week-long industry events. INALCO 2013 will engage researchers, scientists, architects, engineers, and aluminum market specialists in a comprehensive forum. The conference will feature keynote speakers and oral and poster presentations of papers submitted by leaders within the aluminum industry and academia on topics including architecture, building and construction, design, transportation, and new aluminum applications.

INALCO 2013 is co-sponsored by CIAC, the Aluminium Association of Canada, MAADI Group Inc., ÉTS – Engineering for Industry (part of the Université du Québec Network), CQRDA – The Aluminium Research and Development Centre of Québec, and Regal – Regroupement Aluminium, the Aluminium Research Centre. The first International Conference on welded products and constructions with aluminum alloys was held in Cleveland, OH, in 1979, and INALCO has since been held every three years at locations throughout the world, presenting a wide scope of aluminum information and experience.

Alexandre de la Chevrotière, P.E., president and ceo, MAADI Group Inc., and member of the INALCO’s 2013 Organizing Committee (pictured), notes, “The INALCO 2013 theme is ‘bringing innovative ideas to

the world of tomorrow.’ We are bringing the best minds in aluminum research, development, and design together with those who will direct aluminum’s product potential and the industry’s future.”

AluSolutions 2013 will take place on October 23-24, presenting the global forum on its theme of sustainability in the aluminum industry, with sessions covering aluminum industry market trends and innovations, downstream and recycling, technology developments, decreasing environmental impact, and The Americas.

Recyc-Québec, in conjunction with sustainability topics, will highlight aluminum’s end-of-life recyclability issues through presentations and expert panelists. Recyc-Québec is considered Québec’s foremost authority on residual matters and policy implementation.

The concurrent Mission Design conference, on October 23-24, aims to stimulate economic development through quality design in Québec, highlighting global trends in architecture, design, and urban planning at both national and international levels.

One comprehensive exhibition will be held in conjunction with CIAC and its four companion conferences, all under one roof. The exhibition’s aim is to create a platform upon which to highlight aluminum industry developments and solutions presented by exhibitors, including OEMs, plant suppliers, smelters, and recyclers.

Editors Note: For further conference information, visit the CIAC website: www.ciacmontreal.com.



Alex de la Chevrotière.