

The International Aluminium Institute is delighted to launch the first of its Regional Aluminium Associations Newsletters, providing a roundup of some of the many activities and initiatives being undertaken by national and regional aluminium associations around the world.

Twice a year the leadership of the industry's trade associations meet to share experiences and latest developments in their regions, from upstream sustainability projects to market development, education and advocacy and lobbying. The next meeting of this group is to be hosted by the Aluminum Association as part of their 75th Anniversary celebrations on 19-21 October 2008 and all association leaders are very welcome to attend and to submit items for future editions of this newsletter.

For more information on the Regional Associations Newsletter or to submit an article for the next edition (deadline October 31st 2008) please contact Katy Tsesmelis at

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## Aluminium Association of India

The **Aluminium Association of India**, is the apex body of the aluminium industry in India with membership extending to its different sectors– Primary metal producers, semi-fabricators, alloy manufacturers, equipment manufacturers, researchers, technologists, R&D institutions etc.,. The principal objective of the Association is to promote growth and utilization of aluminium in different applications alongside creating an effective common forum for aluminium industry in the country. The AAI is currently engaged in identifying thrust areas and measures required to overcome the bottlenecks hindering the aluminium usage in the country.



### Objectives of AAI

- To promote utilization and growth of aluminium and its varied applications like building, packaging, transportation, power generation, aerospace, automobile, telecommunications, etc.
- To create a common forum for the aluminium industry and its constituents to formulate common policies and strategies.
- Maintain close liaison with Government departments.
- Project and further the interests of aluminium production and distribution.
- Build awareness on health, environment, safety and energy.
- To enhance the role of aluminium in the national economy as an eco-friendly metal of unique properties.
- To disseminate knowledge on aluminium products, technologies, marketing, etc.
- To create awareness amongst the students of technical institutions and universities by organizing special lectures, workshop, etc.
- To organise media campaigns to project the usefulness of aluminium.

The Association also interfaces between the aluminium industry, the Government of India and institutions of higher learning to promote the use of aluminium. It organizes conferences, seminars, workshops, roundtables etc, as well as undertaking publications, with a view to disseminate knowledge on aluminium products, technology, marketing etc,. It has also been an active member of the International body of Aluminium Associations.

Further, our Association, under the advice of the Ministry of Mines has taken up the preparation of a documents on **Aluminium Mission Plan**, with TIFAC of DST for the **“Technology Road Map for Indian Aluminium Industry”**, particularly in the present context of accelerated industrial growth in the country.

The Govt. of India is very keen on the growth of the Indian aluminium industry. Our Association periodically submits representations to the Government addressing all relevant issues of the Indian aluminium industry with particular reference to the need of growth and the bottlenecks affecting the growth.



The AAI has successfully conducted the **International Conference on Aluminium - INCAL '07 during 21<sup>st</sup> – 23<sup>rd</sup> November 2007** at Hyderabad, under the aegis of the Ministry of Mines. The Conference enjoyed immense support from several industrial organizations within the country and also support from the International Aluminium Institute (U.K), The Aluminium Association (USA), Australian Aluminium Council (Australia) and several other Overseas Aluminium Associations. Presentations were made by a large number of Overseas Speakers and internationally renowned Indian speakers.

The conference covered a variety of topics providing a viable forum for the dissemination of knowledge and exchange of technical information, providing a nucleus for future collaborative programmes and investments. In support of the excellent presentations, a very comprehensive, well planned impressive **Exposition** was organized as part of the INCAL 2007. Besides, INCAL, One Day Workshop on “Welding of Aluminium” and One day Seminar on “Aluminium in Aerospace” at Bangalore and one day “Symposium on Aluminium Extrusion” at Mumbai etc. were also successfully conducted.

Upcoming Events:

<b>Event Title</b>	<b>"Aluminium Die Casting" – ALU INDIA 2008</b> <a href="http://www.alu-india.com">http://www.alu-india.com</a>	<b>"Improved Sustainability in the Transport Sector Through Light weighting with Aluminium."</b>
<b>Date</b>	17 <sup>th</sup> – 19 <sup>th</sup> October 2008	10 <sup>th</sup> & 11 <sup>th</sup> November 2008
<b>Place</b>	Chennai Trade Centre, Chennai	Pune
<b>Details</b>	<p>The objective of the seminar is to provide a national forum for the die casting Industry and user industry segments for sharing knowledge and to be kept abreast of the technological developments in aluminium die casting. Engineers, designers, casting manufacturers, alloy manufacturers, equipment manufacturers, service providers to aluminium industries, policy makers, entrepreneurs, and scientists etc. will be invited.</p> <p>The die casting industry is one of the key industries of Aluminium Industry deserving special attention; it is perhaps one of the fastest growing downstream industries.</p> <p>For further details regarding the Exposition, please contact:</p> <p><b>Mr. Ashwani Pande,</b> <b>YA TRADEFAIR PRIVATE LIMITED</b> Tel: +91-22-40037766 / 67 / 68 Fax: +92-22-40034433 E-mail: <a href="mailto:info@yatrdefair.com">info@yatrdefair.com</a> URL: <a href="http://www.yatrdefair.com">www.yatrdefair.com</a></p> <p>For ALL Seminar details please contact:</p> <p><b>ALU INDIA 2008 SECRETARIAT,</b> <b>ALUMINIUM ASSOCIATION OF INDIA</b> Tel : 080 25582197 / 25582757 Fax : 080 25594535 e-mail : <a href="mailto:aluminium@eth.net/">aluminium@eth.net/</a> URL: <a href="http://aai@aluminium-india.org">aai@aluminium-india.org</a></p>	<p>This two day workshop, the first of its kind to be held, will showcase the important role that aluminium light-weighting can play in enabling the transportation industry and members of its supply chain to meet their sustainability objectives of fuel efficiency and greenhouse gas emissions reduction.</p> <p>Organised by International Aluminium Institute (IAI) / Aluminium Association of India (AAI)</p> <p><b>Day 1: Aluminium industry and component suppliers</b></p> <ul style="list-style-type: none"> <li>• Learn how to use the life cycle transport model for marketing aluminium in the transport sector</li> <li>• Automotive plant tour</li> </ul> <p><b>Day 2: Open to all</b></p> <ul style="list-style-type: none"> <li>• Sustainability of aluminium</li> <li>• Transport market in India and globally</li> <li>• Automotive design with aluminium, forming technologies and joining methods</li> <li>• Potential new aluminium applications in India</li> </ul> <p>For more information on the workshop please contact Marlen Bertram from the <b>International Aluminium Association</b> at Tel: +44 20 7930 0528 E-mail: <a href="mailto:bertram@world-aluminium.org">bertram@world-aluminium.org</a></p>

For more information on the AAI please visit <http://www.aluminium-india.org/>

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### The French Presidency of the EU

There are many high expectations for the six months under the French Presidency of the European Union.

#### A. Lisbon Treaty

France will have to decide what to do with the Treaty in the wake of the Irish debacle. Technically, the Treaty cannot come into force until all 27 members states have successfully ratified it, thus until the Irish say yes, the Treaty cannot come into force. Ireland has until the 15<sup>th</sup> of October this year – the date of the next EU Summit – to decide what to do about the current crisis.

#### B. Environment

The French Presidency is expected to move forward on several key environmental dossiers. The most important is the so-called “climate change” package. There is a common political will from all the three EU institutions to push for a first reading adoption for the package.

Key date will be the UN climate change conference in Poland in December 2008. The outcome of this meeting will be crucial to deciding on a successor to the Kyoto Protocol.

The second environment priority for France will be the upcoming commission package of proposals on sustainable production and consumption expected end of summer and covering 3 key pieces of legislation: eco-labelling scheme, eco-management and audit scheme, green public procurement. In terms of greenhouse gas emissions, the commission proposal on reducing CO<sub>2</sub> emissions from passenger cars will also be a top priority.

### **Energy**

France is keen on pushing forward the liberalisation of energy markets. Together with Germany and Austria, France is ready to take the lead on market liberalisation and the whole issue of energy supply policy in the EU.

Also on the agenda: agriculture and review of the common agricultural policy, the WTO Doha Development Round, the negotiations with African, Caribbean and Pacific (ACP) countries and last but not least foreign policy and immigration.

### High on the EU legislative agenda

#### **Emissions Trading Scheme (ETS)**

In the proposal to review the existing Directive on ETS published in January, the EU Commission includes primary and secondary aluminium. The industry is focusing its advocacy activities on allocations for indirects, exemption of self-generation, exclusion of recycling. The issue is generating an intense activity at the level of the European Parliament. The French Presidency of the European Union is willing to reach a political agreement by the end of the year.

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#### **CO<sub>2</sub> emissions from cars**

In December 2007, in its proposal to set CO<sub>2</sub> emissions targets for new passenger cars the EU commission has presented a combination of the weigh-based and tax-based approaches. The EAA is advocating switching to a footprint-based approach arguing it is more logical in physical terms and more technology-neutral.

The issue is high on the agenda of the European Parliament. Although it is rumoured that the French Presidency is engaged in talks with Germany to find a compromise, the positions of the 27 Member States are split and a political agreement by the end of the year is not granted.

For further details: [sonmez@eaa.be](mailto:sonmez@eaa.be)

### Event: EAA goes to the European Parliament

**On June 5th in the European Parliament, the European Aluminium Association advocated for more ambitious and more objective targets for the reduction of CO<sub>2</sub> emissions from passenger cars.**

As invited panellist expert on the public hearing held by the European Parliament's EPP-ED political group



### **Automotive Messages Find Receptive Audience in Washington**

Representatives from Novelis and Kaiser Aluminum met with the National Academy of Sciences (NAS) committee to highlight how lightweighting must be covered as a fuel efficient solution in the Clean Vehicle Research Initiative, currently underway. A follow up meeting was scheduled with the Environmental Protection Agency and the Auto and Light Truck Group (ALTG) will work to further educate NAS to ensure positive coverage in the final report.

On that same day, there were meetings with a consortium of environmental groups, including Sierra Club, Natural Resources Defence Council, Union of Concerned Scientists and American Council for an Energy Efficient Economy. They presented the possible future for lightweight vehicles with alternative power train vehicles, and the environmental and safety benefits of automotive aluminum.

### **Association Works to Improve Senate Climate Bills**

The Aluminum Association has participated in efforts on Capitol Hill to improve the Senate Climate Bill, including S.2191 and the substitute S 3036. Improvements in provisions for early action credits, energy intensive industry allocations and recycling incentives have resulted. Renewed efforts on the House side are expected for the summer of 2008 as the Senate has killed the climate legislation for the remainder of the year. All of these efforts are seen as important for setting precedent for future efforts on climate legislation expected in the next Congress.

### **Final EPA Rule to Improve Auto and Light Truck Applications**

In May, 2008, EPA signed the final rule exempting aluminum auto conversion coating zinc phosphating wastes from RCRA hazardous waste requirements. This effort will improve prospects for the use of aluminum in auto/light truck applications. The Association will be supporting follow-on efforts by the Auto Alliance for a regulatory interpretation providing similar regulatory relief for a new process using zirconium.

### **Review of the Center for Trace Element Studies Completed**

The Center for Trace Element Studies, previously operated by the New York State Institute for Basic Research in Developmental Disabilities (IBR), is the industry's principal resource for scientific information on the controversial issue of the neurological implications of aluminum. A review session was held with Center for Trace Element Studies staff on April 7th. The principal researcher for the Center, Ted Lidsky, has retired from NYSU. The Center is now an independent entity, contracted to the Aluminum Association. Funding for the Center is provided by the Association and other organizations including IAI, the Brazilian, Canadian, European, French and Japanese aluminum associations, two aluminum producers outside the U.S., Rhodia, Innophos, and the Cosmetic, Toiletry, and Fragrance Association.



### **Consumer Payback of Hybrid, Diesel Faster with Aluminum Body, According to New Study**

The Aluminum Association recently unveiled new research that found advanced powertrain vehicles like hybrids and diesels when combined with lightweight aluminum vehicle structures will pay consumers back faster than steel-bodied versions of the same vehicles. If automakers opt to reduce the weight of vehicles with next-generation hybrids and diesels through greater use of aluminum, consumers will be 'paid back' faster at the gas pump compared to the payback time associated with the added costs of today's heavier hybrids and diesels. (<http://response.autoaluminum.org/c.asp?N1PNuKb4AwB1dtkMOzblA/w7Z4kRwEvQY9UBUMtlvTw>)



The Association unveiled the information during a Washington Automotive Press Association luncheon, featuring lightweight automotive materials.

### **Aluminum Industry Responds to DOT's Proposed Fuel Economy Rule**

In response to the National Highway Traffic Safety Administration's draft rule for passenger car and light truck fuel economy, the Aluminum Association submitted comments that asserted the proposal falls short by relying almost entirely on improvements to engines and transmissions. This limited approach undervalues the direct benefits of weight reduction and its potential to serve as the foundation for other fuel saving technologies. Read the Association's statement about lightweight materials and fuel economy. (<http://response.autoaluminum.org/c.asp?kEh2e4YoNvZTdnUPHswuRg/w7Z4kRwEvQY9UBUMtlvTw>)

### **Aluminum in the Ever-Changing Car Design** (<http://response.autoaluminum.org/c.asp?HAMY9RVgnNY1jyeXYFZYTw/w7Z4kRwEvQY9UBUMtlvTw>)

Steve Larkin, president of the Aluminum Association, recently offered strategic insights on aluminum's use in the ever-changing auto industry in the July/August issue of *Aluminum Now*. Larkin details how aluminum can be part of the solu-

tion in reducing greenhouse gases and energy consumption—and improving the quality of life for people across the country and throughout the world.

### Concept Car Paves Way for Maximum Aluminum Use

The Jeep Renegade Concept's (<http://response.autoaluminum.org/c.asp?JYssYRQqEADNe3GK1K6s+Q/w7Z4kRwEvQY9UBUMtIvTw>) advanced engine technology combined with lightweight body materials results in a fuel efficient vehicle that maintains the sporty Jeep style. The Renegade takes advantage of mass reduction with its extensive use of aluminum, resulting in a weight of only 3,150 pounds. By comparison, competitors in this vehicle segment weigh-in around 4,000 pounds. Along with its regenerative braking



### FAST FACTS: "A-List" Autos

Aluminum isn't just for high-end vehicles. Its use in cars, pickups, SUVs and minivans grew steadily the past three decades. Today there are dozens of vehicles across multiple platforms and types that are made with at least 400 pounds of aluminum. Check out our database (<http://response.autoaluminum.org/c.asp?j+4NCDTq3dHI3AXrZl3T4w/w7Z4kRwEvQY9UBUMtIvTw>) of A-List, High Aluminum Content Vehicles where you can search by make, model and year or aluminum component to learn more about these lightweight, aluminum-intensive vehicles.

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Aluminium - light, strong and beautiful

### The Aluminium Federation of Southern Africa

Issues pertaining to sustainability, the environment and the GHG footprint have enjoyed particular prominence in the past 12 months. The development of green building and energy conservation standards has brought specific focus.

It is quite clear that there are significant misconceptions surrounding aluminium, the energy required to produce primary metal based wrought products and the associated GHG footprint, this a function of the source of energy. One of our key activities has been to address these widely held perceptions – in a sense setting the record straight, and using the platform to point out the benefits and versatility of aluminium. At least some schools of architecture have drilled the message of aluminium as environmentally unfriendly into students.

Based on information obtained from the EAA and the IAI, we have developed a systematic poster display which sets out the case for aluminium.

Areas highlighted are:-

- Production, use and recycling of aluminium
- Sources of electricity used in primary aluminium smelting
- Progress on voluntary targets set by the industry on energy use and on PFC's
- A graphic depiction of the energy used to produce aluminium, steel, stainless steel, plastics, and the associated recycled products. To this graph we add a line showing the effect on GHG based on sources of energy used and a 50% of aluminium produced is based on remelted/recycled material.
- Turning to GHG, using data collected by the IAI and by the IISI the relationship between aluminium and steel is shown by mass and by function.
- The two last posters highlight the benefits and uses of aluminium in the built environment.

### Green Building Exhibition

AFSA took part in the first Green Building Exhibition held in South Africa. The poster display formed the backdrop to our stand. Visitors to the exhibition and associated conference showed particular interest in our stand. While it was possible to address their scepticism, we knew we had to bring this message to a wider audience. Hence we have booked to exhibit at the next Green Building Conference, planned for August 2008, and host a breakaway session to workshop the concerns about the environmental impact of aluminium, its production and life cycle. We look forward to report on the outcome of the conference.

For more information on the AFSA please contact:

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ALFED has been in existence for nearly 50 years and, over these years, has evolved into a true Federation, meaning that ALFED provides management and secretariat services to a number of Associations representing the whole of the aluminium lifecycle.

As well as the direct Association support, ALFED also provides more general support for the aluminium industry as a whole. This includes ALFED's well established political lobbying programme aimed at UK Government, the European Parliament and the European Commission. ALFED also has a close working relationship with senior Civil Servants in several Government Departments, especially BERR and Defra. ALFED's President hosts an Annual Lunch for senior Civil Servants.

ALFED is also actively involved in Training and Education through both our frequent training courses, our University lecture programme and our work with schools and younger people. Promotion of aluminium is an increasing requirement by our Members and the ALFED team are increasingly involved in projects aimed at a wider promotion of our material. ALFED's Technical Library is kept up to world-class standards and our dedicated technical support team are widely used by Members, customers of Members, academics and designers.

The above is just a small example of the wide range of services offered by the Aluminium Federation.

The **ALFED team** comprises full-time staff and part-time Consultants and advisors. The current team are:-

Will Savage	Secretary General
Margaret Lane	PA to Secretary General and Secretarial support
Tom Siddle	Technical Executive
Richard Mahoney	Public Affairs and Political Lobbying Executive
Ann Gough	Statistician/Events and Secretarial support
Sylvia Battersby	Secretarial support, administration and accounts
Dr David Harris	Technical support and Training
Dr Ken Campbell	Energy Consultant and Climate Change Advisor
Stuart Attwood	Accountant
Geoff Doyle	Technical and Market Promotion
Roy Woodward	Training
Oliver Carpenter	Marketing and Public Affairs

ALFED'S Recent Political Lobbying Activities

ALFED has an enviable and long-established political lobbying programme, aimed at raising awareness in both UK Government and at the European Parliament and European Commission of the key issues affecting the UK aluminium industry. Recent activities have included:-

**The Annual House of Lords Lunch**

ALFED has held an Annual Lunch in the House of Lords for Members of both Houses of Parliament and senior ALFED Members for over 30 years.

It has become a tradition that three short presentations (maximum duration 7 minutes!) are given while the Lunch is being served and eaten. The ALFED President gives a 'State of the Industry' report and the other two presentations feature issues of key importance to our industry.

The Lunch is hosted by a senior Member of the Lords from our All-Party Parliamentary Group, currently it is Baroness Gardner of Parkes. In addition to introducing our President, Baroness Gardner also helps to orchestrate a very lively question-and-answer session at the coffee stage. Our Lunch this year was held on Tuesday 13 May on the Cholmondeley Room Terrace, attended by over 50 Parliamentarians and ALFED Members.

Our speakers were ALFED President Henry Dickinson, ALFED Consultant Dr Ken Campbell and John Gardner, Vice-President (Communications) Novelis Europe. Dr Campbell spoke on the proposed revisions to the EU Emissions Trading Scheme and the UK Aluminium Sector's Climate Change Agreement. John Gardner covered the life cycle of aluminium and its carbon footprint.



(Left to Right) Albert Owen MP, Baroness Gardner of Parkes and ALFED President Henry Dickinson on the Terrace at the House of Lords Lunch



Albert Owen MP

### All-Party Parliamentary Group for the UK Aluminium Industry

The majority of ALFED's political lobbying is carried out through the members of its All-Party Parliamentary Group (APPG) from both Houses of Parliament. Many of the APPG members have a constituency or Select Committee interest in the aluminium industry.

The past Chairmen of the APPG, Denis Murphy MP (Rio Tinto Alcan's Primary Smelter at Lynemouth) and Helen Southworth MP (the Novelis recycling plant at Warrington) had strong constituency interests. This is also the case for the new Chairman, Albert Owen MP, who was elected on 13 May 2008. He represents the Anglesey constituency, where the Anglesey Aluminium Company's Primary Smelter is located. Members of the APPG attend ALFED's House of Lords Lunch and ALFED's Annual Dinner. Other events such as receptions, meetings and seminars at Westminster are organised by ALFED.

### European Emissions Trading Scheme (EU ETS) Phase III

The implementation of the EU ETS in 2013 will potentially have a significant effect on the profitability and future of many industrial sectors in Europe. The aluminium sector is included in this. ALFED, together with key Members, particularly those involved in Primary production and the larger recycling businesses, are likely to be adversely impacted by the EU ETS if certain concessions are not agreed. ALFED has been lobbying hard at UK Government and EU level to ensure an equitable implementation of the Scheme.

ALFED's Energy Consultant and Climate Change Advisor,  
Dr Ken Campbell



### Evidence to Select Committees



Houses of Parliament

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ALFED has, over many years, given evidence on behalf of the UK Aluminium Industry to Select Committees of both Houses of Parliament. Subjects previously covered have included energy supplies, environmental issues and the Climate Change Levy.

On Tuesday 22 January 2008 ALFED's Secretary General, Will Savage, and the Aluminium Packaging Recycling Organisation's Executive Director, Rick Hindley, gave evidence to the House of Lords Select Committee on Science and Technology for the Inquiry on Waste Reduction.

ALFED has also recently made a written Submission to the House of Lords Select Committee on European Affairs, to criticise the European Commission's proposal to include both Primary and Secondary Aluminium in the revised EU Emissions Trading Scheme from 2013.

### ALFED'S Expanding International Activities

#### The GULF ALUMINIUM COUNCIL (GAC)

Although the UK's National Association, representing some 230 Member Companies, ALFED has always operated internationally. In November 2007 ALFED was delighted to have been awarded a long-term contract to be Secretariat and Consultant advisors to the newly formed GULF ALUMINIUM COUNCIL, the GAC.

Primary aluminium has been established for many years in the Gulf region with Aluminium Bahrain and Dubai Aluminium being the flagship industrial companies in their respective countries. Production of primary aluminium is set to increase from a present 1.8 million tonnes to 8-10 million tonnes in the next 8 years in the region.

The six founding Members of the GAC decided that the time was right for the formation of their own Association and ALFED is proud to have been awarded the contract to administer the GAC.



ALFED Secretary General, Will Savage pictured (far right) with members of the Gulf Aluminium Council's Human Resources and Recruitment Sub-Committee at Aluminium Bahrain's offices

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## Global Competition Seeking New Ideas for Aluminium Use

The **Global Technology and Innovation Project Initiative** is a UC RUSAL programme to which the IAI provides its support. The Global Technology and Innovation Research Project is designed to promote the identification of innovative and sustainable applications for aluminium products. In the period 2008-2010 we will be searching for the brightest ideas and research projects, which aim to foster the development of products and applications that encourage increasing use of aluminium in sustainable applications where the material can bring substantial benefits.

Over the next three years, the Global Technology and Innovation Project will select the most ground breaking ideas and research projects, with the aim of expanding the use of aluminium. New applications will be developed where the unique features of the metal could bring environmental benefits, improve energy efficiency, optimize use of resources, encourage recycling, and create secure packaging and transportation methods.

Up to 10 research projects will receive funding. Funding of research projects will focus on one specific end use market for each year of the programme. The following research topics have been defined for each year of the programme:

**2008 – Transportation**  
**2009 – Building & Construction**  
**2010 – Packaging**

UC RUSAL, the IAI and independent expert, Professor Thomas Graedel from the Yale University, will act as the selection committee to choose up to three of the most promising projects to be granted funding in 2009.

### **Professor Thomas Graedel**

Thomas E. Graedel is currently Clifton R. Musser Professor of Industrial Ecology, Professor of Chemical Engineering, Professor of Geology and Geophysics and Director of the Centre for Industrial Ecology at Yale School of Forestry & Environmental Studies and is a fellow of Pierson College. His research is centred on developing and enhancing industrial ecology, the organizing framework for the study of the interactions of the modern technological society with the environment.

UC RUSAL and IAI are inviting leading universities and research centres in America, Asia, Australia, Europe and Russia to participate in the initiative. The deadline for the submission of research proposals is 30 September 2008. Proposals should aim to deliver innovations and benefits and/or solve major challenges through the use of aluminium. More detailed information on the criteria and application procedures are available on the corporate web sites of UC RUSAL and IAI at:

<http://www.rusal.ru/en/gtip.aspx>

<http://www.world-aluminium.org/news/Latest+news>