



The 5th International Conference & Exhibition «Aluminium-21/Recycling»

The leading event of the Secondary Aluminium market in Russia - **the 5th International Conference & Exhibition "Aluminium 21/Recycling"** - was held in Saint-Petersburg, one of the most impressive cities of Russia, on October 12-14, 2010.

The Conference was organized by Alusil-MVT under the support of the Organization of European Aluminium Refiners and Remelters (OEA), the Aluminium Extruders Association (AEA), Industry Support Fund of Saint-Petersburg (Russia), the Council of Secondary Non-Ferrous Metallurgy Industrial Enterprises (Russia), NP "Inter-regional Center of Secondary Non-Ferrous Metallurgy (Russia), the Union of regional associations of collectors and processors of scrap, waste of ferrous and nonferrous metals (The Union"Lom"). The Conference was sponsored by [RUSALIT](#) (Russia) and [ADM](#) (Ukraine).

In the focus – **innovations and energy saving** due to more extensive application of recycled aluminium instead of primary metal; aluminium yield increasing at scrap sorting and melting; minimization of power consumption at recycling process, development of downstream processing of secondary aluminium.



The Forum gathered 93 representatives of 71 companies from 18 countries. 38 papers by Russian and foreign experts were presented at the plenary and regular sessions of the conference.

The following papers were considered the most interesting by the Conference delegates:

- **Valery Borisov**, *Saint Petersburg State Polytechnical University* (Russia) - The Recycling Efficiency Improvement and Applications Diversification for Secondary Aluminium Alloys;
- **Yury Gelfgat**, *A/S "Krāsainie Lējumi"* (Latvia) – Electromagnetic Devices With Constant Magnets - a New Way of Non-Contact Treatment of Aluminium Melts;
- **Adam Gesing**, *Gesing Consultants Inc.* (Canada) - Advanced Commercial Technologies of Aluminium Scrap Sorting and Classification;
- **Vikram Jhunjhunwala**, *Century Aluminium Mfg. Co. Ltd.* (India) - Aluminium Recycling in India. Present Scenario and Future Prospects;
- **Richard Starczewski**, *EMP Technologies Ltd.* (UK) - Case Studies Showing Application of Recent Developments in Electromagnetic and Mechanical Pumping Technologies for Melting in Aluminium Recycling.

The Conference was supplemented by the **exhibition** where the leading foreign and Russian companies such as Rusalit (Russia), Sverdlovsk Tooling Plant "Pumori" (Russia), ABB AB (Sweden), Bloom Engineering Company Inc. (USA), Dantherm Filtration GmbH (Germany), Innov-X Systems (USA), Lethiguel (France), LÜHR FILTER GmbH & Co. KG (Germany), Otto Junker GmbH (Germany), UAB Krantchna (Lithuania), Worswick Engineering Ltd (UK) introduced their products and services to the Conference participants.



On the 14th of October the conference participants attended **the laboratory of metallurgical expertise** in St. Petersburg State Polytechnical University where the image analyzer Thixomet was developed for panoramic monitoring of materials structure. The delegates also visited die casting plants "**InterKom**" and "**Arktika**", which produce aluminium and copper-zinc parts for machine building, power production and other industries.

Traditionally, the Conference participants were offered an interesting **social program** which included a sightseeing tour of Saint-Petersburg, visits to Saint Isaac's Cathedral and Peter and Paul Fortress, the Hermitage and Yusupov Palace. The ballet lovers enjoyed the masterpiece performances of the Mariinsky Theatre ("**Sylphida**" ballet) and the Mikhailovsky Theatre ("**Romeo and Juliet**" ballet).

Should you have any questions, please, contact the Organization Committee at +7 (495) 785 20 05 or main@alusil.ru.