



Rosov pin 2014

**SECOND REGIONAL
ROUNDTABLE:**

REFRACTORY,
PROCESS INDUSTRY
AND NANOTECHNOLOGY

Programme and The Book of Abstracts

CENTER FOR INDUSTRIAL
AND TECHNOLOGICAL
DEVELOPMENT "ANDREVLJE",
FRUŠKA GORA, SERBIA,
OCTOBER 23-24, 2014

**Second regional roundtable: Refractory, process industry
and nanotechnology**

ROSOV PIN 2014

Center for Industrial and Technological development "Andrevlje",
Fruška Gora, Serbia, October 23-24, 2014

**Programme
and
The Book of Abstracts**

Organised by:

Vinča Institute of Nuclear Sciences, Belgrade

Engineering Academy of Serbia, Belgrade

Lafarge BFC d.o.o. Beočin

REAL S d.o.o. Beograd

Title:

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Publishers:

Vinča Institute of Nuclear Sciences, Belgrade, Serbia
Engineering Academy of Serbia, Belgrade, Serbia

Editor:

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Technical editor:

Božana Čolović

Sponsors:

LAFARGE BFC d.o.o. Beočin
REAL S d.o.o. Beograd
GALAX d.o.o. Donji Žabar, RS, BiH
BOMEX Invest d.o.o. Beograd
ALBOS d.o.o. Beograd

Printed in:

MP štampa, Novi Sad
Circulation: 100 copies

ISBN: 978-86-7306-125-2

Acknowledgement:

The Organizing and Scientific committees of ROSOV PIN 2014 are grateful to the Ministry of Education, Science and Technological Development of the Republic of Serbia for financial support.

Dear colleagues,

We are pleased to welcome you in the center “Andrevlje”, placed in the hearth of beautiful mountain Fruška Gora, at the Second regional roundtable “Refractory, process industry and nanotechnology”, ROSOV PIN 2014.

ROSOV PIN 2014 focuses on connecting different types of nanotechnology with conventional technologies in refractory and process industry. Nanotechnologies are not only present in modern high tech technology, but also in conventional technology applied in the process industry and refractory, giving the materials a completely new mechanical and corrosion properties.

The roundtable is organized in three different parts: Refractory, including the preparation of mineral raw materials; Process technology, including the cement industry, glass industry, iron and steel and non-ferrous metallurgy; and Nanotechnology, which covers the general principles of nanotechnology and its place in the development of advanced refractories and ceramics in general, powder metallurgy and carbon materials.

The desired intention of the organizers is to collect as many corporate actors, including producers, consumers and providers of services in the field of refractory and process industry in particular, and to open innovative ways of the penetration of new technologies based on nanotechnology in

various types of process industry, in order to create entirely new products and to accelerate technological progress in industries that are mostly present in our region. Completely new approaches and technological concepts are welcome.

Have a nice time and a fruitful discussion with your colleagues from scientific institutions and experts from the industry. We hope that you will establish new connections which will lead to further efficient collaboration.

On behalf of the Organizing and Scientific Committee

Vukoman Jokanović

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Momčilo Tadić, VGI-Rivir, Nikšić, Monte Negro

Dalibor Stević, Real S d.o.o., Belgrade, Serbia

General conference program

Thursday, October 23th 2014

- 08⁰⁰-09⁰⁰ Registration
09⁰⁰-09³⁰ Opening ceremony
09³⁰-11¹⁵ Plenary lectures
11¹⁵-11³⁵ Coffee break
11³⁵-13⁴⁰ Invited lectures
13⁴⁰-15³⁰ Lunch break
15³⁰-17¹⁰ Invited lectures
18⁰⁰-19³⁰ Poster session
20⁰⁰ Gala dinner

Friday, October 24th 2014

- 09⁰⁰-10⁴⁵ Plenary lectures
10⁴⁵-11¹⁵ Coffee break
11¹⁵-13²⁰ Invited lectures
13³⁰-14⁰⁰ Closing ceremony and awards

12¹⁰-12³⁵ Impact of roughness of Zn-Mn coatings on corrosive stability

Milorad Tomić

University of Eastern Sarajevo, Faculty of Technology Zvornik,
Republic of Srpska

12³⁵-13⁰⁰ Polymer surface engineering by using advanced nanotechnology

Anka Trajkovska Petkoska

The St. Clement of Ohrid University of Bitola, Macedonia

Break until 15³⁰

Invited lectures: 15³⁰-17¹⁰

Sections: Refractory and Process industry (Amphitheater I)

Chairmen: Amir Baraković, Mira Vukčević

15³⁰-15⁵⁵ Harmonization of European regulations and standards (EN) and the national standards (SR) in the field of refractory materials

Sanja Martinović

Institute of Chemistry, Technology and Metallurgy, Belgrade,

Serbia

15⁵⁵-16²⁰ Low cement concrete: composition, properties and application

Milica Vlahović

Institute of Chemistry, Technology and Metallurgy, Belgrade,

Serbia

16²⁰-16⁴⁵ Catalysts: from nanotechnology to the application

Nenad Radić

Harmonization of European regulations and standards (EN) and the national standards (SR) in the field of refractory materials

Sanja Martinović

Institute of Chemistry, Technology and Metallurgy, University of Belgrade

Technical Committee for standardization of Serbia, KS B033 - Refractory materials, which is operating within the Institute for standardization of Serbia has the task to prepare the standards in the field of raw materials and products of the refractory materials industry with monitoring the work of Technical Committees: CEN/TC 187-European Committee for Standardization (CEN): Refractory products and materials and ISO/TC 33-International Organisation for Standardization (ISO): Refractory materials. Harmonization of Serbian standards with European ones are based on the adoption of European standards as national and especially European standards that are directly related to implementation of the New Approach Directives. In addition, by adopting the European standards as Serbian, all national standards for the same items of standardization that are inconsistent with them, must be withdrawn. This presentation would give the basic information related to the published standards in the fields of Refractory materials, primarily referring to the European standards. Also, the Committee's work program which is adopted by the Expert Council of the ISS will be shown. The Committee has the plan to adopt the national standards related to the environmental management in the field of refractory materials. This presentation will show specifically standard for shaped refractory products - sampling and acceptance testing on admission of the samples together with the statistical assessment (ISO 5022).