

Oral Programme CE6

Hetero-Modulus Ceramics for Technical Application

Convener: Igor L. Shabalin

Monday 15 June, 2009

Chairs: Vasily Lutsyk & Igor L. Shabalin

- 08.50 – 09.20 CE6a.Mon.KL1
*Anatoly Lanin**
EFFECT OF STRUCTURAL PARAMETERS ON STRENGTH AND THERMAL STRESS RESISTANCE OF HETERO-MODULUS CERAMIC COMPOSITES
- 09.20 – 09.40 CE6a.Mon.L2
*Li Zhuan, Xiao Peng, Xiong Xiang**
THE MORPHOLOGY AND FORMATION MECHANISM OF SIC IN 3-DIMENSIONAL NEEDED C/C-SIC BRAKING COMPOSITES
- 09.40 – 10.00 CE6a.Mon.L3
*George Gnesin**
HETERO-MODULUS MATERIALS IN SIC- SI - C SYSTEM
- 10.00 – 10.20 CE6a.Mon.L4
*Daniel Roach, Igor Shabalin**
RIDGE-EFFECT OXIDATION BEHAVIOUR OF TITANIUM CARBIDE BASED HETERO-MODULUS CERAMICS WITH DIFFERENT GRAPHITE CONTENT
- 10.20 – 10.40 CE6a.Mon.L5
Yu Wang, Igor Shabalin*
MATERIALS OPTIMUM DESIGN OF HOT-PRESSED CARBIDE-GRAPHITE HETERO-MODULUS CERAMICS

COFFEE BREAK 10.40-11.00

Monday 15 June, 2009

Chairs: Igor L. Shabalin

- 11.00 – 11.30 CE6b.Mon.L1
*Konstantin Smirnov**
COMBUSTION SYNTHESIS OF SIALON-BN HETERO-MODULUS CERAMIC COMPOSITES
- 11.30 – 11.50 CE6b.Mon.L2
L.L. Sartinska, A.A. Frolov, V.I. Tin'kov*
SYNTHESIS OF FIBROUS PHASE OF BORON NITRIDE FOR HETERO-MODULUS CERAMICS
- 11.50 – 12.10 CE6b.Mon.L3
*Domenti Gabunia, Archil Gachechiladze, Archil Mikeladze, Otar Tsagareishvili, Levan Chkhartishvili**
OBTAINING OPPORTUNITIES OF BORON CARBIDE POWDERS BASED HETERO-MODULUS CERAMICS
- 12.10 – 12.30 CE6b.Mon.L4
Laszlo A. Gömze, Liudmila N. Gömze*
CORUNDUM MATRIX COMPOSITES WITH HETERO-MODULUS NANO-PARTICLES WITH HIGH THERMAL SHOCK RESISTANCE
- 12.30 – 12.50 CE6b.Mon.L5
*Vasily Lutsyk**
HETEROGENEOUS DESIGN IN CERAMIC SYSTEMS

Poster Programme CE6

Posting Time: Monday 15 June, 20.30-22.30; **Removal:** Wednesday 17 June, 12.50-14.30;
Attendance Time: Tuesday, 16 June, 18:30-20:00

Chairs: Igor L. Shabalin

- CE6.Tue.P1 *Oleksandr Fedoryshyn**
STRESS FLUCTUATIONS IN THE TWO-PHASE COMPOSITE MATERIAL IN A CORRELATION APPROACH
- CE6.Tue.P2 *A. Biedunkiewicz*, U. Gabriel, P. Figiel, R. Jędrzejewski*
CARBONIZATION AND PURIFICATION OF $nc-TiC_x$ IN CARBON MATRIX IN ARGON. ANALYSIS BY KINETIC METHOD
- CE6.Tue.P3 *Otar Okrostsvardze*, Giorgi Tavadze, David Dzneladze, David Gventsadze*
HETERO-MODULUS COMPOSITES: SHS-POWDERS – METAL PHOSPHATES
- CE6.Tue.P4 *Nina Mofa*, Tatyana Shabanova, Zulkhair Mansurov*
SHS-CERAMIC COMPOSITES WITH DIFFERENT STRUCTURE, PHASE COMPOSITION AND FUNCTION
- CE6.Tue.P5 *Almagul Isanbekova, Aleksandr Mukasyan, Igor Vongai, Sestager Aknazarov**
SYNTHESIS OF NANOSTRUCTURAL CERAMIC COMPOSITIONS
- CE6.Tue.P6 *Valeriy Zhdanov, Igor Shabalin**
PROPERTY-COMPOSITION CORRELATIONS OF MODIFIED SIALON – BORON NITRIDE HETERO-MODULUS CERAMICS
- CE6.Tue.P7 *Viktor Orosz*, László A. Gömze*
EFFECTS OF ZIRCONIA AND SILICON CARBIDE ADDITIVES ON MECHANICAL PROPERTIES OF ALUMINA
- CE6.Tue.P8 *Ahmed Aqrawi*, Mazin Tamar-Agha, Mohammad Essam Al-Hassan*
ASSESSMENT OF SERPENTINITES FROM NORTHEASTERN IRAQ FOR CERAMICS
- CE6.Tue.P9 *Myron Luchka*, Lina Sartinskaya, Ganna Pokryshko, Vasyl Labunets, Igor Shabali*
POWDER-ELECTROPLATED METAL-CERAMIC/CERAMIC COATINGS WITH NANOSTRUCTURED CARBON, BORON AND BORON NITRIDE REINFORCEMENT