**Poster Presentations**

10:20-11:00 – Wednesday, June, 22, 2016

1. **M.I. Alymov, I.S. Gordopolova, and A.A. Deribas (Russia)**ONCE MORE ON THE ROLE OF SHOCKED GAS IN EXPLOSIVE WELDING
2. **M.I. Alymov, N.M. Rubtsov, B.S. Seplyarskii, V.A. Zelenskii, and A.B. Ankudinov (Russia)**SELF-INFLAMMATION OF Fe NANOPOWDERS IN AIR: INFLUENCE OF PASSIVATION
3. **M.I. Alymov, S.G. Vadchenko, I.V. Saikov, and I.D. Kovalev (Russia)**SHOCK COMPACTION OF TUNGSTEN/TEFLON POWDER MIXTURES
4. **D. E. Andreev, D. M. Ikornikov, V. I. Yukhvid, and V. N. Sanin (Russia)**

 SYNTHESIS OF Ti–Al-BASED INTERMETALLICS FROM OXIDE RAW MATERIALS BY CENTRIFUGAL SHS

1. **A.F. Belikova, S.N. Buravova, and E.V. Petrov (Russia)**ABNORMAL MASS TRANSFER IN CONDITIONS OF SHOCK LOADING
2. **O.D. Boyarchenko, А.Е. Sytschev, L.M. Umarov, A.S. Shchukin, I.D. Kovalev, and M.A. Sichinava (Russia)**NiAl/Cr2O3 COMPOSITE BY THERMAL EXPLOSION
3. **S.N. Buravova, and N.I. Mukhina (Russia)**LE CHATELIER PRINCIPLE AND SPALL DAMAGEABILITY
4. **S.N. Buravova, E.V. Petrov, and A.S. Shchukin (Russia)**SPHEROIDIZATION OF PERLITE IN THE BANDS OF LOCALIZED DEFORMATION
5. **I.V. Denisov, O.L. Pervukhina, and I.V. Saikov (Russia)**STRUCTURAL INHOMOGENEITY OF WELD SEAM IN BRASS/STEEL CLAD METAL FABRICATED BY EXPLOSIVE WELDING
6. **N.L. Fedotova, I.B. Chudakov, I.A. Korms, S.Yu. Makushev, L.B. Pervukhin, I.V. Saikov, and A.Yu. Malakhov (Russia)**HIGH-SRENGTH AND HIGH-DAMPING CLAD METAL BY EXPLOSIVE WELDING
7. **S.V. Fortova, V.V. Shepelev, A.P. Pronina, and P.S. Utkin (Russia)**MATHEMATICAL MODELING OF RAYLEIGH–TAYLOR INSTABILITY AT THE INTERFACE OF TWO COLLIDING METAL PLATES
8. **R.D. Kapustin. (Russia)**Combustion synthesis of refractory and heat-insulating aluminosilicate compositES
9. **A. Karolczuk, Z. Szulc, K. Kluger, M. Najwerand G. Kwiatkowski (Poland)**
RESIDUAL STRESS DISTRIBUTION IN THREE LAYER PLATE OBTAINED BY EXPLOSIVE WELDING
10. **D.S. Khrenov, A.V. Sobol’kov, A.I. Elkin, A.V. Aborkin, A.E. Sytschev (Russia)**PROTECTIVE Al–2Mg–*n*C COATINGS BY COLD GAS-DYNAMIC SPUTTERING: DEPOSITION AND CHARACTERIZATION
11. **А.А. Kondakov, I.A. Studenikin, A.V. Linde, N.A. Kondakova, and V.V. Grachev (Russia)**MAX-PHASE TI2AlN BY SINTERING IN VACUUM
12. **D.Yu. Kovalev, A.Yu. Potanin, E.A. Levashov, and N.F. Shkodich (Russia)**STUDY COMBUSTION SYNTHESIS OF MAGNESIUM DIBORIDE:
A TIME-RESOLVED XRD STUDY
13. **D.Yu. Kovalev and M.A. Luginina (Russia)**TEMPERATURE DEPENDENCE OF Ti2AlN THERMAL EXPANSION AS DETERMINED FROM HIGH-TEMPERATURE XRD DATA
14. **D.Yu. Kovalev,  M.A. Luginina, S.G. Vadchenko (Russia)**SHS in Zr–Al–C system: A Time-Resolved XRD Study
15. **G. Kwiatkowski, Z. Szulc, M. Najwer, and M. Gloc (Poland)**

PROSPECTS FOR USING EXPLOCLAD MATERIALS IN GEOTHERMAL APPLICATIONS

1. **M.A. Luginina and D.Yu. Kovalev (Russia)**THERMAL stability of MAX PHASE Ti2AlN IN VACUUM
2. **M.A. Luginina, D.Yu. Kovalev,  S.G. Vadchenko, S.V. Konovalikhin, A.E. Sytschev (Russia)**NOVEL MAX PHASE IN Zr–Ti–Al–C SYSTEM: SYNTHESIS AND STRUCTURE
3. **A.Yu. Malakhov, I.V. Saikov, L.B. Pervukhin, and P.A. Nikolaenko (Russia)**EXPLOSIVE WELDING OF LONG-LENGTH PIPES AND RODS
4. **A.Yu. Malakhov, I.V. Saikov, L.B. Pervukhin, and P.A. Nikolaenko (Russia)**Ti–Cu CONDUCTIVE CYLINDERS BY EXPLOSIVE WELDING
5. **R. Mendes, I. Plaksin, J.B. Ribeiro, A. Loureiro, and J. Campos**

EFFECT OF DETONATION CHARACTERISTICS ON THE PROPERTIES OF JOINT INTERFACE

1. **I.N. Nursainov, A.Yu. Malakhov, I.V. Saikov, O.L. Pervukhina, V.S. Chelnokov (Russia)**Titanium/steel explosive welding: INFLUENCE OF VANADIUM INTERLAYER
2. **E.V. Petrov, V.S. Trofimov, and P.A. Nikolaenko (Russia)**IMPACT OF BOMBARDMENT WITH HIGH-SPEED TUNGSTEN PARTICLES ON STRUCTURE AND PROPERTIES OF STRUCTURAL STEEL
3. **V. V. Sanin, Yu. A. Аnikin, V. I. Yukhvid, and M. R. Filonov (Russia)**

EFFECT OF REMELTING TEMPERATURE ON STRUCTURAL HEREDITY OFCAST Co AND Ni BASED SHS-PRODUCED ALLOYS

1. **B.S. Seplyarskii, T.P. Ivleva, and M.I. Alymov (Russia)**INFLAMMATION OF PYROPHORIC POWDERS: THEORETICAL ANALYSIS
2. **A.S. Shchukin, D. Vrel, and A.E. Sytschev (Russia/France)**SHS joining OF Mo WITH NiAl AND TiAl
3. **H. Słomińska, M. Gloc, J. Kamiński, Ł.Ciupiński, G. Kwiatkowski (Poland)**THE COMPARISON OF MICROSTRUCTURES, CORROSION RESISTANCE AND MECHANICAL ENDURANCE OF CLAD MATERIALS USES IN GEOTHERMAL PLANTS
4. **K.L. Smirnov (Russia)**COMBUSTION SYNTHESIS OF Eu-DOPED Ca-α-SiAlON PHOSPHORS
5. **K.L. Smirnov (Russia)**COMBUSTION SYNTHESIS AND PROPERTIES OF SiAlON–BN COMPOSITES
6. **A.E. Sytschev,** **D. Vrel, O.D. Boyarchenko, N.V. Sachkova, and S.G. Vadchenko (Russia/France)**COMBUSTION SYNTHESIS IN BILAYERED (Ti–Al)/(Ni–Al) SYSTEM
7. **S.G. Vadchenko and M.I. Alymov (Russia)**IGNITION OF TUNGSTEN–TEFLON MIXTURES