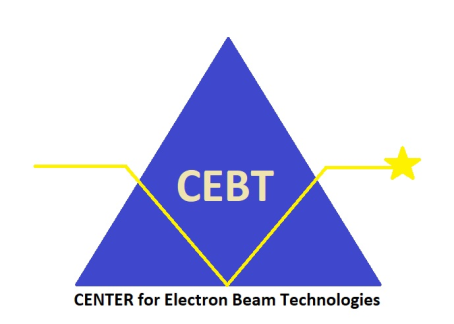
**Interstate Association Titan**

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**Sponsors of the Conference**

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**AGENDA of the**

**XVII INTERNATIONAL CONFERENCE**

**‘Ti-2019 in CIS’**

**17-20 April 2019**

**Sea Galaxy Congress & Spa Hotel, Sochi**

Conference languages: Russian, English (simultaneous translation)

**17.04.2019**

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| **15:00–19:00** | Registration of the Conference participants. **Sea Galaxy Congress & Spa Hotel, Sochi** |
| **19:00–22:00** | An opening dinner for the Conference participants. |

**18.04.2019**

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| **08:00–09:00** | Registration of the Conference participants. **Sea Galaxy Congress & Spa Hotel, Sochi** |
| **10:00-13:30** | Excursion program for Conference guests |

**Plenary session 1.**

**Sea Galaxy Congress & Spa Hotel, Sochi - Congress Hall**

**Chairperson - Candidate of Science (Engineering) Andrey Alexandrov**

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| **09:00** | Opening of the Conference  **A. Alexandrov**  Interstate Association Titan  The most significant works and titanium market developments in CIS |
| **09:20** | **A. Oryschenko, V. Leonov**  NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  Titanium materials development prospects for shipbuilding and nuclear power industry |
| **09:40** | **O. Leder, D. Kurochkin, M. Alabusheva**  VSMPO-AVISMA Corporation  Conditions of the titanium world market and its development trends |
| **10:00** | **O. Leder, D. Kurochkin, M. Alabusheva**  VSMPO-AVISMA Corporation  Titanium market in Russia and CIS |
| **10:20** | **L. Bykhovsky, M. Zenchenko, L. Remizova**  FGBU (Federal State Budgetary Institution) ‘VIMS’  Creation of ore base of titanium raw materials in Russia |
| **10:40** | **T. Okholina, Remezova E., Naumenko U., Vasilenko S., Kuzmanenko G., Yaremenko O.,**  **Alexandrov A.L.**  Geological Sciences Institute, NAS of Ukraine  A new approach to the Torchinsky residual deposit development (Ukrainian shield) |
| **11:00** | **Break** |

**Plenary session 2.**

**Sea Galaxy Congress & Spa Hotel, Sochi - Congress Hall**

**Chairperson - Doctor of Science (Engineering), Prof. Mikhail Kollerov**

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| **11:30** | **A. Oryschenko1, V. Leonov1, A. Kudryavstev1, M. Leder2**  1 NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  2 VSMPO-AVISMA Corporation  Development of a new high-strength pseudo-β-titanium alloy |
| **11:45** | **He Zhijun**  Kunming Iron & Steel Group Co. Ltd.  The current titanium market situation in China and development strategy of KISС |
| **12:00** | **S. Kuznetsov**  CEBT LLC  Principal technological solutions of products manufacturing by the method of "granular metallurgy" from Ti; Ni – alloys and special steels |
| **12:15** | **A. Perevozov**  Stupino Metallurgical Company  Powders, obtained by the PREP method used for additive technology and HIP |
| **12:30** | **M. Kollerov1, D. Gusev1, A. Alexandrov2, A. Sharonov1**  1 Moscow Aviation Institute (National Research University)  2 Interstate Association Titan  Influence of chemical composition, smelting method and the semi-finished product treatment technology on the characteristics of the titanium nickelide shape memory effect |
| **12:45** | **V. Leonov1 , I. Schastlivaya1, I. Tretyakov1, A. Askinasi1**  NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  Theoretical and experimental basis for creation of titanium alloys with increased thermal conductivity |

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| **13:00–14:00** | **Lunch** |

**Plenary session 3.**

**Sea Galaxy Congress & Spa Hotel, Sochi - Congress Hall**

**Chairperson - Doctor of Science (Engineering), Prof. A. Mamonov**

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| **14:00** | **V. Soklakov1,  Pietka Gregorz Wojciech2**  1 - SGL Carbon GmbH  2 - SGL Graphite Solutions Polska Sp. z o.o  Specialty graphites and carbon-carbon materials for vacuum heat-treatment furnaces |
| **14:15** | **Spitans Sergejs, Franz Henrik**  ALD Vacuum Technologies  Numerical modelling of Titanium ingot growth during the Vacuum Arc Remelting (VAR) |
| **14:30** | **A. Sukhov**  Regional Center for Laser Technology  Titanium alloys laser treatment technology development and its industrial application in the manufacture of high-precision large-size structures for special purposes |
| **14:45** | **S. Rush1, A. Sosedov1, Łukasz Chwiałkowski 2**  1- SECO/WARWICK RUS  2- SECO/WARWICK S. A.  Heat treatment of Titanium in vacuum furnaces |
| **15:00** | **A. Mamonov, S. Slezov, S. Sarychev**  Moscow Aviation Institute (National Research University)  Innovative processing technology for the large-joint implants and powered surgical instruments made from titanium alloys |
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| **15:15** | **Break** |

**Plenary session 4.**

**Sea Galaxy Congress & Spa Hotel, Sochi - Congress Hall**

**Chairperson - Candidate of Science (Engineering) Anatoly Kudryavtsev**

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| **15:45** | **M. Buzenkov, S. Shytov, A. Granovsky**  AviaLit Scientific Production Center LLC  Manufacture of investment castings from magnesium alloys |
| **16:00** | **A. Koltygin, V. Bazhenov, A. Anischenko, R. Khasenova, V. Belov**  MISIS National Research and Technological University  Impact of ECAP (Equal Channel Angular Extrusion) on the structure, mechanical and corrosion properties of biodegradable Mg-Zn-Ca and Mg-Zn-Ca-Mn alloys |
| **16:15** | **Spitans Sergejs, Franz Henrik**  ALD Vacuum Technologies  Optimisation of EIGA atomization process using numerical modelling |
| **16:30** | **A. Alexandrov**  CEBT LLC  New advances in the granules production using PREP method |
| **16:45** | **S. Osipov**  CEBT LLC  Granulation metallurgy equipment and technologies |

**19.04.2019**

**Plenary session 5.**

**Sea Galaxy Congress & Spa Hotel, Sochi - Panorama Hall**

**Section on Materials Science for Titanium and Titanium Alloys**

**Chairperson - Candidate of Science (Engineering) Vsevolod Travin**

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| **09:30** | **A. Zhelnina, N. Schetnikov, M. Kalienko, A. Trubochkin, M. Leder, A. Illarionov**  VSMPO-AVISMA Corporation  Influence of carbon on microstructure evolution and mechanical properties of the 10-2-3 alloy |
| **09:45** | **V. Travin, A. Zmozhny, G. Shevelev**  Kaluga Turbine Plant  Steam Turbine Titanium Details Combustion as a Single Case. Analysis and Fire Prevention |
| **10:00** | **А.Kudryavtsev1, А. Khachaturyan1, N. Zlobina1, V. Kropotov2**  1 NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  2 VSMPO-AVISMA Corporation  Forging and solid-rolled rings manufacturing technology from marine-grade titanium alloys on the new ring-roller mill |
| **10:15** | **P. Panin, N. Nochovnaja, E. Alexeev, A. Yakovlev, D. Dzunovich, K. Speransky**  VIAM Federal State Unitary Enterprise  Study of a new beta-solidifying TiAl-alloy of variable composition in the as-cast state |
| **10:30** | **V. Lеonov1, L. Rtischeva1, V. Kopylov1, P. Krylov1, M. Lukin2, D. Negodin2**  1 NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  2 Chepetsky Mechanical Plant  Study of the fine-grain structure forming in tubular billets made of the PT-7M alloy for manufacturing cold-sized tubes with augmented mechanical performance |
| **10:45** | **A. Kudryavtsev1, N. Tretyakova1, V. Kulik1, V. Dukhtanov2, N. Schetnikov2**  1 NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  2 VSMPO-AVISMA Corporation  Hardenability of pseudo-β-type titanium alloys of the VST 5553 type |
| **11:00** | **A. Pankratov, M. Leder, A. Volkov**  VSMPO-AVISMA Corporation  Features of structure and morphology of the titanium heat-resistant alloy’s fractures hardened with borides |
| **11:15** | **S. Skvortsova, M. German, E. Zhurbina, E. Lukina**  Moscow Aviation Institute (National Research University) Federal State Budgetary Educational Institution of Higher Education  Influence of the 3D-printing method on the structure and properties of samples from the Ti-6Al-4V titanium alloy |
| **11:30** | **V. Leonov1, L. Rtischeva1, K. Martynov1, V. Kopylov1, S. Zherebtsov2, D. Negodin3**  1 NRC ‘Kurchatov Institute’ - CRISM ‘Prometey’  2 NRU of Belarus State University  3 Chepetsky Mechanical Plant  Study of diffusion processes in titanium alloys in hot extrusion using copper sub-lubricant layer |
| **11:45** | **Aleksandrov A., Konshin R., Ziganshin A.**  Chepetsky Mechanical Plant  Smelting of experimental industrial ingots of a new domestic deformable intermetallic titanium ortho-alloy |
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| **12:00–13:00** | **Lunch** |
| **13:00–19:00** | **Excursion program for Conference participants and guests** |
| **14:00–16:00** | **The annual meeting of the Interstate Association Titan. Panorama Hall** |

**Poster presentations**

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| --- | --- |
| **1** | **O. Gvozdeva1, A. Volodin2, A. Stepushin1, G. Zaynetdinova1, E. Agarkova1**  1 - Moscow Aviation Institute (National Research University) Federal State Budgetary Educational Institution of Higher Education, Department of Metallurgy and Heat Treatment of Metals  2 - Normal  Impact of chemical composition and heat treatment on the structure and properties of semi-finished products made from pseudo-β--titanium alloy |
| **2** | **A. Shalin, A. Ivanov, A. Orlov, F. Makarov**  Moscow Aviation Institute (National Research University) Federal State Budgetary Educational Institution of Higher Education  Comparison of deformability (α+β)-titanium alloys at room temperature depending on the modes of heat treatment |
| **3** | **Yu. Egorova1, S. Skvortsova1, L. Davydenko2, O. Gvozdeva, E. Chibisova**  1 Moscow Aviation Institute (National Research University) Federal State Budgetary Educational Institution of Higher Education  2 Moscow Polytechnic University Federal State Budgetary Educational Institution of Higher Education  Prediction of mechanical properties of the VT6 alloy bars depending on chemical composition and annealing modes |