



# *The 2<sup>nd</sup> Korea-Russia Aerospace Workshop*

**- Advanced Aerospace Materials -**

*Venue: MAI Conference Hall*

*Date: November 22, 2018*

*Language: English*

*The 2<sup>nd</sup> Aerospace Workshop between Korea and Russia will be held at MAI Conference Hall with around ten speakers altogether. Main topics are Advanced Materials for Aerospace and other related issues. This workshop is becoming an annual event and is part of an important effort aimed at sustainable cooperation between both parties. Recalling the positive experience of the 1<sup>st</sup> Workshop held in November of 2017, we expect to hear a wide range of opinions and witness an atmosphere of collegiate interaction amongst participants.*

<b>PROGRAM</b>	
<b>Workshop at University MAI in Moscow, November 22 of 2018</b>	
<b>Opening Session (Moderator: Mr. Kaisin Dmitry, MAI)</b>	
09.00 – 10.00	Registration
10.00 – 10.05	Opening Remarks by Dr. Ravikovich Yuriy, Vice-Rector for Scientific Affairs, Moscow Aviation Institute
10.05 – 10.10	Welcoming Address by Dr. Suh Gill Won, Director of KORUSTEC
10.10 – 10.15	Congratulatory Remarks Address by Embassy of the Republic of Korea
10.15 – 10.20	Congratulatory Remarks by Dr. Shin Suk Kyung, General Director of NRF
<b>Key-note Speech:</b>	
10.20 – 10.35	Dr. Ravikovich Yuriy, Vice-Rector for Scientific Affairs, MAI
<b>Photo Session for all speakers and dignitaries</b>	
<b>Session 1 : Aero-Space Materials 1</b> Moderator: Prof. Kim, Sang Woo, Hankyong National University	
10.50 – 11.20	Dr. Ripetsky Andrey, MAI <i>Issues of automation of technological processes of aircraft additive production using ceramics, metal and plastic materials</i>
11.20 – 11.50	Prof. Kim, Sang Woo, Hankyong National University <i>Investigation of bird strike-induced damages of KUH composite fuel tanks based on CEL and SPH methods</i>
11.50 – 12.20	Dr. Nikitin Alexander, MAI; Prof. Palin-Liuc Thierry, CNRS <i>Very high cycle fatigue investigations on high strength materials for aerospace applications</i>
12.20 – 12.50	Prof. Choi, Jeong Ho, Kyungnam University <i>Research of Lightweight Structure</i>
12.50 – 13.00	Q & A from floor
<b>Lunch : 13:00 – 14:30</b>	
<b>Session 2 : Aero-Space Materials 2</b> Moderator: Mr. Leonid Ponyaev, MAI	
14.30 – 15.00	Prof. Shanyavsky Andrey, MAI <i>Influence and consideration of very-high-cycle fatigue on the resource and fatigue life of aerospace structures</i>
15.00 – 15.30	Prof. Cho, Hee Keun, Andong University <i>Fabrication of smart composite materials by micro-tailoring</i>
15.30 – 16.00	Dr. Zemerov Valery, MAI <i>Global system for contact monitoring of extended object</i>
16.00 – 16.30	Prof. Nam, Young Woo, Gyeongsang National University <i>Radar-absorbing composite structure with the metallic material coated dielectric fabric</i>
16.30 – 17.00	Dr. Sheindlin Michael, Joint Institute for High Temperatures, RAS

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	<i>High-temperature properties of the UHTC ceramics for aerospace applications</i>
17.00 – 17.30	Mr. Biktimirov Shamil, Skolkovo Institute of Science and Technology <i>Sunlight Reflecting Small Satellite Formation Flying</i>
17.30 – 17.45	Q & A from floor
17.45 – 18.00	Wrap-up and Adjourn