

# AGREEMENT OF COOPERATION

between

**Aleksandras Stulginskis University, Lithuania**

and

**Karpenko Physico-Mechanical Institute of  
National Academy of Sciences of Ukraine**

**Aleksandras Stulginskis University** (hereinafter referred to as **ASU**), located at Studentu 11, Akademija, LT-53361 Kauno r., Lithuania, and **Karpenko Physico-Mechanical Institute of the National Academy of Sciences of Ukraine** (hereinafter referred to as **PhMI**) located at 5 Naukova St, L'viv, 79060, Ukraine, agree:

1. To establish the following cooperation agreement for legal basis of scientific cooperation;
2. To perform joint research in:
  - contact mechanics in tribological systems,
  - characterization of the surface of solid bodies including micro- and nano-scale,
  - investigation of friction and wear mechanisms in different tribological systems;
3. To provide the exchange of scientists to carry out the planned joint investigations;
4. To work on the suggestions for joint research projects financed by national or international sources;
5. To prepare the joint publications and facilitate the scientific publications of one side in the journals of other side, to exchange the experience in management and technology of printing of journals.

The agreement activities are realized only upon common agreement of ASU and MPRI and availability of required sources for each particular activity.

This agreement is intended for a five years period and will be effective when it is signed by both parties. The agreement signed in English, in duplicate, both copies being equally valid.

On behalf of the

Aleksandras Stulginskis University

Prof. Antanas Maziliauskas  
Rector



Date:

29.10.16

On behalf of the

Karpenko Physico-Mechanical Institute of  
the National Academy of Sciences of  
Ukraine

Academician of the NAS of Ukraine  
Zinoviy Nazarchuk  
Director



Date:

13.10.16

*Jifl*

## ВИДАНІ СТАТТІ

1. Effect of thermodiffusion nitriding on cytocompatibility of Ti-6Al-4V titanium alloy / I.M. Pohrelyuk, O.V. Tkachuk, R.V. Proskurnyak, N.M. Boiko, O. Yu. Kluchivska, R.S. Stoika // **JOM Journal of the Minerals, Metals and Materials Society**. – 2016. – Vol. 68. – No. 4. – P. 1109–1115.
2. I. Pohrelyuk, O. Tkachuk, R. Proskurnyak. Effect of oxidation of nitride coatings on corrosion properties of Ti-6Al-4V alloy in 0.9% NaCl at 40 °C // **Central European Journal of Chemistry**. – 2014. – Vol. 12, Iss. 2. – P. 260–265.
3. I.M. Pohrelyuk, V.M. Fedirko, O.V. Tkachuk, R.V. Proskurnyak. Corrosion resistance of Ti-6Al-4V alloy with nitride coatings in Ringer's solution // **Corrosion Science** 66 (2013) 392-398.
4. I.M. Pohrelyuk, O.V. Tkachuk, R.V. Proskurnyak. Corrosion behaviour of Ti-6Al-4V alloy with nitride coatings in simulated body fluids at 36 °C and 40 °C // **ISRNCorrosion** (February) Volume 2013 (2013), Article ID 241830, 7 pages <http://dx.doi.org/10.1155/2013/241830>
5. Corrosion resistance of Ti-6Al-4V alloy with oxidized nitride coatings in Ringer's solution / I.M. Pohrelyuk, V.M. Fedirko, O.V. Tkachuk, R.V. Proskurnyak // **Inzynieria Powierzchni**. 2015 – NR 1. – P. 38–46.
6. Corrosion behaviour of thermodiffusion coatings on titanium implants in simulated body fluids / Oleh Tkachuk, Roman Proskurnyak, Iryna Pohrelyuk, Viktor Fedirko.// **Solid State Phenome** 2015 – 227 – P 503-506