

Themes of master theses in the department of
 "High-temperature materials and powder metallurgy"
 2015/2016 year, gr. FK-61m

№ p/p	Student's Name	Theme of master thesis	Scientific adviser
1	Bolshakov Oleksandr Yevheniiovich	Structure and mechanical properties of high-entropy alloys resulted from mechanical alloying and pressure sintering	Prof. Yurkova A.I.
2	Vterkovskiy Mykhailo Yaroslavovich	Textured Anisotropic optically transparent ceramics based on oxides of rare earth elements	Prof. Ragulya A. V.
3	Holovko Yevhenii Serhiiovich	The features of structure formation, mechanical and tribological properties of friction metal-glass composites	Prof. Loboda P.I.
4	Didenko Zoriana Viktorivna	The structure and magnetic properties of the alloy permalloy 79ND2M	Assoc. Prof. Minitsky A.V.
5	Kalian Bohdan Anatoliievych	Structure and mechanical properties of multicomponent metallic coatings resulted from electron-beam method	Prof. Yurkova A.I.
6	Kaplunenko Denys Volodymyrovych	High-temperature properties of directionally solidified Mo-17,5Si-10B and Mo-17,5Si-8B alloys	Assoc. Prof. Bogomol Iu. I.
7	Kobylinskyi Yurii Viktorovich	Internal stresses analysis of directionally solidified eutectic B ₄ C–TiB ₂ alloy	Assoc. Prof. Bogomol Iu. I.
8	Popovych Olha Ihorivna	Modelling of high-temperature plastic deformation of the nickel-based superalloys and alloys of Mo-Si-B system	Assoc. Prof. Bogomol Iu. I.
9	Remizov Dmytro Oleksiiovich	Influence of treatment technology of surface on mechanical properties of reinforced titanium and it's alloys	Prof. Loboda P.I.

10	Rumiantseva Yuliia Yuriivna	Influence of composition and structure of composite materials involving self-fluxing alloys on their corrosion durability	Prof. Stepanchuk A.M.
11	Riabokon Viktoriia Viktorivna	The mechanisms of formation of spherical particles during the metal powder obtaining by the cutting method	Prof. Mazur V.I.
12	Sydorenko Bohdan Oleksandrovykh	Laws of process of repressing of powdered materials based on iron	Assoc. Prof. Minitzky A.V.
13	Stepanova Ilona Ihorivna	Effect of B ₄ C and AlB ₁₂ on the structure and properties of titanium matrix composite	Assoc. Prof. Kisla G.P.
14	Tereshchenko Oleksii Serhiiovych	Structure and properties of titanium matrix composites with high modular fillers	Assoc. Prof. Kisla G.P.

Dept. chief

Prof. Stepanchuk A.M.