

## Mr. Sergii Khairnasov

Senior Researcher

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SERGII KHAIRNASOV Born on: APRIL, 18, 1971 Nationality: Ukrainian E-mail: Sergey.Khairnasov@gmail.com Address: 24/7A, av. Geroyiv Stalingradu, Kyiv 04210, Ukraine Telephone: +38 (063) 153 76 56

EDUCATION: August, 1999 – December 2003: Ph.D. of Thermal Sciences, National Technical University of Ukraine "Kiev Polytechnic Institute", Kiev. Subject of the thesis «Thermal hydraulic processes inside loop heat pipes, which contains aluminum oxide based capillary pump» September, 1997 – July, 1999: Master course in Thermal Engineering. National Technical University of Ukraine (Kiev), Faculty of Heat Power Engineering.

September, 1992 – August, 1997: Bachelor degree in Thermal Engineering. National Technical University of Ukraine (Kiev), Faculty of Heat Power Engineering.

PROFESSIONAL EXPERIENCE: January 2009 – present: Senior Researcher, Laboratory of Heat pipe, Faculty of Heat Power Engineering, National Technical University of Ukraine, Kiev. September 2001 – September 2008: Research engineer, Laboratory of Heat pipe, Faculty of Heat Power Engineering, National Technical University of Ukraine, Kiev. July 1998 – September 2001: laboratory assistant, Laboratory of Heat pipe, Faculty of Heat Power Engineering, National Technical University of Ukraine, Kiev.

RESEARCH INTERESTS: - Heat Pipes Application to Renewable Energy Systems and Energy Saving Technologies, - Heat Pipes Technology and Space Thermal System.

PARTICIPATION IN R&D (2012-2014): 1. Development and manufacturing FM heat pipes for MASCOT mission (2013 - 2014), DLR and AST companies, Germany. Manager of Team. 2. International Project STCU P577: Advanced Wicks for Heat Pipes (2013 - 2014), Sandia National Laboratories, U.S. Manager of Team. 3. International Project STCU P569: Scientific Satellite Accelerating Unit Using Hall-effect Electric Jet System (2013 - 2014), TECHNOLOGY & ENERGY COMPANY LLP, U.K. Responsible executor of Thermal-Vacuum tests. 4. Joint International Project STCU 5275: Hybrid (Photovoltaic & Thermal) solar collector based on aluminium heat pipes (2012 - 2014), U.S. Responsible executor.