

ANNOUNCEMENT

## IMS Announces Winner of 2021 IMS Buehler Technical Paper Award

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**Pavlo E. Markovsky**



**Jacek Janiszewski**



**Vadim I. Bondarchuk**



**Oleksandr O. Stasyuk**



**Kamil Cieplak**



**Olga P. Karasevska**

The 2021 winner of the Buehler Technical Paper Merit Award for Excellence, sponsored by Buehler, is “Effect of Strain Rate on Mechanical Behavior and Microstructure Evolution of Ti-Based T110 Alloy” by Pavlo E. Markovsky, Jacek Janiszewski, Vadim I. Bondarchuk, Oleksandr O. Stasyuk, Kamil Cieplak, and Olga P. Karasevska. The article was published in the December 2021 issue of *Metallography, Microstructure, and Analysis*. The award includes

a plaque and a cash prize of \$1000, endowed by Buehler. It will be recognized at IMAT 2022, which will take place September 12–15, 2022, in New Orleans, Louisiana.

Pavlo E. Markovsky, Dr. Sci. (Dr. Hab. Eng.), Ph.D., M.S., earned his master’s degree at the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” in 1982. Since then, he has been working at the G.V. Kurdyumov Institute for Metal Physics of the National Academy of Sciences of Ukraine, where he rose from a postgraduate student (Ph.D. in

1986) to the Head of Department (since 2011, when received his Dr. Hab. degree). His main scientific interests relate to phase and structural transformations in metals and alloys, the formation of their microstructure, phase composition and crystallographic texture with various processing methods, as well as the influence of the latter on physical and mechanical properties. His main scientific works (three monographs and more than 170 articles and patents) are devoted to titanium and zirconium alloys, as well as metal-matrix composites. Since 1993, he has been actively involved in many national and international scientific and applied projects. He was awarded for scientific work both nominal prizes and medals for many years of innovative work.

Jacek Janiszewski, Dr. Hab. Eng., Ph.D., M.S., Professor, earned his master's degree at the Jarosław Dąbrowski Military University of Technology, Warsaw. He received his Ph.D. and Dr. Hab. Eng. degrees in 2001 and 2013, respectively. He is now a Professor at the Faculty of Mechatronics and Aviation of the same University. His main areas of scientific interests are related to mechanical characterization of engineering materials, strain-rate sensitivity of engineering materials (metals, low impedance materials), high-strain-rate testing of materials with the use of the split Hopkinson pressure bar technique, Taylor impact methods or electromagnetic ring test, and terminal ballistics. He is a recognized expert in the fields of Investigation of mechanical response of engineering materials to quasi-static and dynamic loading condition, high-strain-rate testing methods, conducting terminal ballistic tests, and high-speed photography. For many years of scientific and teaching work, he was awarded the Silver Cross of Merit (2010), Gold Medal of Merit of National Defense (2010), and Gold Medal "Armed Forces in the Service of the Fatherland" (2018).

Vadim I. Bondarchuk, Ph.D., M.S., earned his master's degree at the Taras Shevchenko National University in 1992, and received his Ph.D. in 1999. In 2000–2003 he was a Post-doc at the Technical University of Hamburg-Harburg (Germany). Since 2004, he is a Senior Researcher at the G.V. Kurdyumov Institute for Metal Physics of the National Academy of Sciences of Ukraine, and involved in a wide range of studies related to the use of various methods of microstructural studies.

Oleksandr Stasiuk, Ph.D., M.S., earned his master's degree at the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" in 2014, and received his Ph.D. in 2019. He is now a Senior Researcher at the G.V. Kurdyumov Institute for Metal Physics of the National

Academy of Sciences of Ukraine. He is dealing with a study of the processes of alloying and structure formation with special methods of powder metallurgy and creation of a new advanced metallic based materials.

Kamil Cieplak, M.S., earned his master's degree at the Faculty of Mechatronics and Aviation in 2017. He is an engineer at the Institute of Armament Technology in the Department of Mechatronics, Armament, and Aviation, and is a fourth-year doctoral student in the discipline of machine design and operation, mechanics. His research activities focus on the study of the mechanical response of engineering materials, including 3D prints and composites. Additionally, he is involved in FFF additive manufacturing techniques, and manufacturing on CNC machine tools, among others, WEDM. He has authored and co-authored 10 papers published in national and international scientific journals.

Olga P. Karasevska, Ph.D., M.S., is a Senior Researcher at the G.V. Kurdyumov Institute for Metal Physics of the National Academy of Sciences of Ukraine, and half-time Associated Professor at the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute." She is a recognized expert in the field of various x-ray methods for the study of phase compositions, fine structure, crystallographic texture, and accumulated stresses in different materials.

The Buehler Best Paper is chosen by the Buehler Best Paper Award Committee. The committee of judges was led by Evans Mogire, chair, and included Ryan Deacon, Lisa Deibler, Mike Keeble, Gabriel Lucas, and Tom Murphy. The committee based their selection on several criteria. To be considered for the award, excellent specimen preparation is an essential prerequisite. Microstructural analysis, preferably by light optical microscopy or SEM, must constitute a significant portion of the paper. The paper should make use of metallographic preparation and analysis to solve a problem. The photomicrographs must be of the highest quality showing no scratches, smearing, rounding, comet tails, or other forms of preparation induced artifacts. The micrographs must aid in the understanding of the paper topic.

Congratulations are extended to the authors on this great achievement from the Metallography, Microstructure, and Analysis Editorial Board and the International Metallographic Society Board of Directors.

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