

FOR IMMEDIATE RELEASE

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Scientific Volume on Metal Superplasticity Published

WEDNESDAY, MARCH 16, 2005, ARLINGTON, VIRGINIA – Futurepast: Inc. announces the publication of *Superplasticity: Microstructural Refinement and Superplastic Roll Forming* by two Russian scientists from the Russian-based Institute for Metals Superplasticity Problems (IMSP) in Ufa, Bashkortostan, Russian Federation. The official release date is March 25. Research for the book was supported by a grant from the International Science and Technology Center (ISTC), an international organization co-founded in 1992 by the United States to help weapons experts in the former Soviet Union redirect their talents to peaceful means.

The book was written by IMSP scientists Oscar A. Kaibyshev and Farid Z. Utyashev. Prof. Kaibyshev, a highly respected scientist of international repute, was the director of the IMSP from its founding in 1986 until Jan. 18, 2005. On that date he was suspended from his position due to an ongoing investigation by Russia's Federal Security Service (known by its Russian abbreviation FSB, formerly the KGB). Kaibyshev is charged with the export of dual-use technology that could have civilian or military purposes to a South Korean wheel manufacturer, Artisan Spirited Alloy. As reported in the March 4, 2005 edition of the *Chronicle of Higher Education*, "the Institute developed an innovative method of manufacturing spherical cylinders by way of superplasticity... that the company intends to incorporate in its tire designs." The FSB has also accused Kaibyshev of rendering services and providing materials that could be used for the production of weapons of mass destruction and military technology and other related charges.

According to a Feb. 24, 2005 *Nature* article, Kaibyshev said IMSP had no access to state secrets for two decades and that the FSB was fully informed of the Institute's contracts and

should have warned IMSP if there were any problems. “Besides,” said Futurepast president, John C. Shideler, PhD, “the technologies were already in the public record. Much of Prof. Kaibyshev’s work has been patented in the United States and much of it is covered in our new book.”

The new book is already highly acclaimed. Terence G. Langdon, William E. Leonard Professor of Engineering, Professor of Aerospace and Mechanical Engineering, Materials Science and Earth Sciences, USC Viterbi School of Engineering, University of Southern California, Los Angeles, California, USA, called it “an excellent book that sets out the field of superplasticity in an elegant and consistent way. This book goes far beyond the conventional reviews of the superplastic phenomenon. It covers, in considerable detail, the latest developments in producing ultrafine-grained materials and in using these materials for superplastic shaping and forming. The book will be an important resource both for all practitioners in the field of superplasticity and for those thinking of making use of the superplastic phenomenon in forming applications.”

K.A. Padmanabhan, Jawaharlal Nehru Professor, School of Physics, University of Hyderabad, Hyderabad, India, described the work by Kaibyshev and Utyashev as “a practical handbook of considerable academic and industrial value. The book has been written for specialists working in metallurgical and machine building industries who are engaged in the development of technology and the production of gas turbine engine components. It will also be useful for students in institutions of higher learning. The authors are to be complimented for preparing a book of considerable practical use.”

Reviewer Oleg D. Sherby, Emeritus Professor, Department of Materials Science and Engineering, Stanford University, Stanford, California, USA, said the authors’ research produced an “outstanding and useful [book] for all those interested in superplasticity and superplastic formation. A wealth of new information is described in detail that was only available in Russian publications.” For complete copies of the peer reviews, see Futurepast: Inc. web site at <http://www.futurepast.com>.

Superplasticity: Microstructural Refinement and Superplastic Roll Forming (ISBN 0-9710464-2-5) will be available March 25, 2005 for \$165.00 U.S. plus shipping from Futurepast: Inc. (telephone: 1-888-358-9047) or from its wholesaler, Baker and Taylor

(telephone 1-800-775-2300, menu option 4). The book also can be purchased on Futurepast's web site at <http://www.futurepast.com> .

The new publication is the third volume in a series (ISSN 1536-4593) issued by ISTC, an intergovernmental organization dedicated to the nonproliferation of weapons technology of mass destruction. The Center coordinates the efforts of governments, international organizations, and the private sector to provide scientists from the Commonwealth of Independent States countries with opportunities to undertake civilian research and development. The founding national bodies are the United States, the European Union, Japan and the Russian Federation. Subsequently Norway and the Republic of Korea have joined as funding parties. For more information on ISTC, see its website <http://www.istc.ru>.

The book's publisher, Futurepast: Inc. is an Arlington, Virginia-based training and consulting firm that has worked on projects involving Russia and Ukraine since 1994. For further information about Futurepast, see its web site at <http://www.futurepast.com>.

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NOTE TO EDITORS

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