Foreword

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Dear colleagues!

Since 2010, in addition to twelve regular issues of the journal *The Physics of Metals and Metallography* having been published annually in Russian and English versions, the publishing of special Supplements in English begins. The Supplements are supposed to publish reviews on the most topical problems

of experimental and theoretical investigations into the structure, electrical, magnetic, thermal, optical, mechanical, and other properties of metallic alloys and compounds.

This year marks the centenary of the birth of Academician Sergei Vasil'evich Vonsovskii, the founder of the Ural scientific school in the theory of solids and the physics of magnetic phenomena. It was S.V. Vonsovskii who initiated the establishment of the journal *The Physics of Metals and Metallography* and had been its unchallenged Editor-in-Chief for many years. The scientific scope, style, and level of the Journal were mainly formed under his creative influence.

The current issue is devoted to the memory of the outstanding scientist and bright person. It includes the review of development of Vonsovskii's scientific ideas in the theory of magnetism, written by the noted theoretician V.Yu. Irkhin, and a number of other reviews that characterize the state-of-the-art in the physics of magnetic phenomena.

I hope that the publishing of the collections of reviews will help introducing the last achievements of Russian scientists to English-speaking readers.

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of the Russian Academy
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