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Preface

This issue of *Astronomical and Astrophysical Transactions* comprises papers presented at the conference "Magnetism activity cycles and flares on the Sun and stars" which was held at the Crimean Astrophysical Observatory in Crimea, Russia on June 3–7, 2018.

Energy emitted by the Sun is the essential source of energy for life on our planet. This is why our interest in the physics of the Sun never ceases. The physical processes inside the magnetized solar plasma are responsible for the solar activity and its consequences in the near-Earth space. In addition, by exploring the Sun we can learn about other stars, especially those which are similar to the Sun. Many of the problems pertaining and related to these topics were discussed during the conference "Magnetism, activity cycles and flares on the Sun and stars". In total, 81 scientists attended the conference, and three of the scientists arrived from abroad (Israel and Kazakhstan). 75 oral talks were delivered and 35 poster presentations were exhibited. The wide range of scientific discussions and collaborations together with acquaintance with beautiful Crimean landscapes were the highlights of the successful conference.

Valentina Abramenko
Guest Editor

