

## FOREWORD

The present 23-th volume of the "Odessa Astronomical Publications" (OAP) contains 46 papers submitted by the participants of the international scientific conference "Variable Stars - 2010", after revising the reports and taking into account discussions. The papers are published in an alphabetical order of the authors. The journal is edited in the research institute "Astronomical Observatory" of the Odessa National University (ONU) named after I.I.Mechnikov and published by the "Astroprint" publishing house. The papers will be listed in the international "Astrophysics Data System" (ADS).

The conference took place on August 16-21, 2010 in the "Chernomorka" summer camp of ONU, just near the Black Sea, 15 km far away from Odessa.

This conference is traditional. It was first organized in Odessa in 1980, exactly 30 years ago. At that time, it was organized by Professor Vladimir Platonovich Tsessevich (1907–1983), the director of the Odessa observatory in 1945-1983 years. He was an outstanding variable star researcher of the twentieth century, eminent scientist, lecturer, popularizer and supervisor of science.

Other conferences "Variable stars" were devoted to the memory of Prof. of V.P.Tsessevich - in 1987, then with a 4-year cycle in 1993, 1997, 2001, 2005. In between, there were conferences on "Interacting binary stars", which are also related to variable stars.

The main topics discussed at the conference were: Interacting Binary Stars (with special sections on Cataclysmic and Symbiotic Variables); Pulsating Variables; Eruptive Variables; Chemical Composition and Evolutionary Status; Discoveries and Classification of New Variables; Mathematical Modeling of Variable Astrophysical Objects and Processes; Variable Radio, Gamma and X-Ray sources; Occultations of Stars and Extraterrestrial Planet Transits; Small Telescopes in Variable Star Research; Advanced Methods and Instruments for Astrophysical Observations.

Among the authors of 83 reports presented at the conference, there 185 astrophysicists of Ukraine, Russia, Azerbaijan, Belorussia, USA, Koorea, Canada, Hungary, Poland, Germany, Slovakia, Czechia, Greece, Finland, France, UK, Chile, Brasil. There were 24 review, 36 oral and 23 poster reports.

Co-chairs of the SOC were Kovtyukh V.V. (AO ONU, Odessa, Ukraine) and Andronov I. L. (ONMU, Odessa, Ukraine), Responsible Editor of this volume. Vice-Chair was Mishenina T.V. (AO ONU, Odessa, Ukraine), secretaries: Melikyants S.M. and Marsakova V.I. (DA ONU, Odessa, Ukraine). World-wide members of the SOC: Andrievsky S.M. (AO ONU, Odessa, Ukraine; LOC chair), Berdnikov L.N. (SAI, Moscow, Russia), Chochol D. (AI SAS, Slovakia), Grinin V.P. (MAO RAS, St.Peterburg, Russia), Hegedus T. (Baja Observatory, Hungary), Henden A. (AAVSO, Harvard, USA), Hric L. (AI SAS, Slovakia), Karetnikov V.G. (AO ONU, Odessa, Ukraine), Kim Chun-Hwey (AO CBNU, Cheongju, Korea), Kudzej I. (Vihorlat Observatory, Slovakia), Mikulasek Z. (MUNI, Brno, Slovakia), Panchuk V.E. (SAO RAS, Russia), Pavlenko E.P. (CrAO, Ukraine), Pavlenko Ya.V. (MAO NANU, Kiev, Ukraine), Pogodin M.A. (MAO RAS, St.Peterburg, Russia), Ryabov M.I. (Odessa obs. RI NAS, Ukraine; ONU, Ukraine), Samus' N.N. (IA RAS; SAI, Moscow, Russia), Szabados L. (Konkoly Observatory, Hungary), Szczerba R. (Nicolaus Copernicus Astronomical Center, Torun, Poland), Turner D. (StMU, Halifax, Canada), Yushchenko A.V. (ARCSEC, Seoul, Korea)

The Web page of the conference is <http://uavso.org.ua/?page=vs2010>, and the Web page of this volume is <http://oap23.pochta.ru>. The photogalleries, are available at <http://photo.online.ua/vs2010/>, <http://uavso.org.ua>, <http://foto.mail.ru/mail/il-a> and <http://foto.mail.ru/mail/pikhun>.

The participants of the conference got a good opportunity to discuss different topics of one of the most actual and dynamically evolving part of astrophysics - the theoretical and observational research of variable stars. SOC and LOC plan to continue the tradition of these conferences in future.

Ivan L. Andronov