

## PARTICIPANTS

**Alexandre Humberto Andrei**, PhD in Physics at University of Cambridge (1988). He is currently a senior researcher at National Observatory/MCTI, research associate at European Space Agency-ESA/GAIA in the CU3 (coordinator of WG Initial Quasar Catalog and core member of GBOT- Ground Base Optical Tracking), International Earth Rotation Service (IERS), Osservatorio di Torino and Astronomical Observatory of Paris. He is teaching in post-graduate □ CPG Geophysics ON/MCTI, CPG Astronomy OV/UFRJ. Acted as IAU as member of the Executive Committee of the Commission 8 (astrometry), WG Nomenclature for Fundamental Astronomy, WG International Reference Frame (ICRF2), WG Astrometry by Small Ground-Based Telescopes. He holds the CNPq Grant for Excellence in Research and he is PI in the Projects FINEP CT-Infra (Heliometry) and Agreement Brazil(ON/MCTI)-China(SHAO/CAS). Reviewer for Astronomy & Astrophysics, Astronomical Journal, Astrophysical Journal, Solar Physics, and Journal of Geophysics. The current lines of research are astrometry, photometry and astrophysics of quasars, reference systems (ICRF, GAIA and dynamical systems), solar photosphere and variations of the solar diameter, kinematics and distance of brown dwarfs.

**Octavian Bădescu**, PhD, is associate professor at Bucharest Technical University of Civil Engineering, Faculty of Geodesy (BTUCE-FG). He obtained the PhD in the field of geodesy in 2002. He is teaching Geodetic Astronomy and Space-Time Reference Systems / Earth Rotation courses at BTUCE-FG. He participated at the first Romanian projects regarding astronomical instruments automating through command and control programs with significant results in precision and efficiency of astronomical observations. He has contribution at developing programs regarding CCD data acquisition (new algorithms for data acquisition, adjusting, analyzing and storage).

**Geffry Barad**, PhD. He graduated the Faculty of Mathematics from the University of Bucharest, joined the Solar Group in the last year, after post-doctoral researches in mathematics and an educational activity as teacher. Being specialist in geometry and topology, he started to investigate the magnetic helicity in the solar atmosphere.

**Cătălin Beldea** writes the *Astronomy section* for the oldest science magazine in Romania, “Știință și Tehnică” (from 2011); he is an amateur astronomer and eclipse chaser with several observations with Dr. Glenn Schneider’s team (NASA); member (Astronomy section) of the project called “Știință și Tehnică Academy. In 2013 he published an unique article about the observation of the total solar eclipse from stratosphere (25 km above ground). In 2008 he became the first Romanian published by NASA *Astronomy Picture of The Day* (APOD). 2004- in present he runs as General Manager ACE AD Media Company.

**Alexandru Călin**, PhD in the field of civil engineering in 2011. He is the author or co-author of more than 20 refereed articles and more than 16 scientific communications. The research activity is related to the geodetic field: data acquisition, data processing, programming, Geographic Information Systems).

**Iurie Colesnic**, DHC, a graduate of Polytechnic Institute S. Lazo (Chișinău), Faculty of Mechanical Engineering (1973-1978). Writer, Master of Literature, author of over 50 volumes, among which 9 volumes form the series "Unknown Bessarabia", which includes the sketch about astronomer Nicholas Donici. Currently a member of Coordinating Council of

Audiovisual of the Republic of Moldova, editor of the Encyclopedia of Moldavian localities (vol. IV - XV).

**Cristiana Dumitrache**, PhD. She graduated the Faculty of Mathematics from the University of Bucharest, she is specialist in observational astronomy, as well as MHD numerical simulations, publishing papers in solar and heliospheric physics, and space weather catalogues (*Observationes Solaires*, Romanian Academy Publ. House). She worked on data registered by SOHO, TRACE, SDO, Hinode, ACE, WIND and Ulysses. She is member of the Romanian Astronomical Journal Board and head of the Solar Group.

**Liliana Dumitru**, PhD student. She graduated the Faculty of Mathematics from the University of Bucharest, joined the Solar Group few years ago, after an educational activity as teacher. She performed solar observations and interpreted the data registered by the spacecrafts SOHO, SDO, and Hinode. Now she is preparing a PhD thesis on solar active regions evolution.

**Paul Daniel Dumitru**, PhD, is lector at Technical University of Civil Engineering Bucharest, Faculty of Geodesy (BTUCE-FG). He obtained the PhD in the field of civil engineering in 2011. He wrote, as author or co-author, over 30 articles and participated at 15 national and international symposium communications. He has a vast experience of over 10 years in spatial geodesy using GNSS techniques and also in physical geodesy as his PhD specialization. During 2006 he participated at summer school regarding geoid modeling at École Nationale de Science Géographique – IGN, Paris, France, on geoid modeling topics.

**Anca Filoteanu**, PhD in Physics, graduated the Bucharest University, Faculty of Physics, Technological Dept. (1979). She worked in automations (Automation Elements Factory FEA, Bucharest), expert in reliability and in quality control, assurance and management (QC, QA, QM). Today she is a documentary film director, author of more than 200 hours of film on topics of religion, art, history, aviation history, science-theology dialogue, culture of minorities, films which have been cast on TV channels (B1TV, PAX TV, SENSO TV, TRINITAS TV a. o.). She was twice rewarded with the prize of the Romanian TV Professionals Association (APTR) for the program „The Ecumenical Calendar” and the documentary film „The Lowendal Family”.

**Florinela Georgescu**, PhD. She has graduated the Faculty of Physics from the University of Bucharest (1987). She became a Doctor in Physics in 2010. During 2010-2012 she held the position of Head of the National Meteorological Forecasting Centre of the National Meteorological Administration. Starting 2012 she is Director Executive for both coordination of the national forecasting activity and warnings and the coordination of the National School of Meteorology.

**Mugur Ioan Grigoriță**, Student in the 11<sup>th</sup> grade of the *Theoretical Lyceum „Mircea Eliade”*, Chișinău, R. of Moldova. Was there during the 1st, 6th grade and 10th grade (2004-2005; 2009-2010; 2013-2014). Studied in Germany from the 2nd to the 5th grade at Ludwig-Richter-Schule and Musterschule in Frankfurt on the Main (2006-2009). Studied from the 7th to the 9th grade in Brussels, Belgium, at Collège Saint-François (former Centre Scolaire Saint Vincent de Paul „Enfant-Jésus”), in French (2010-2013). Won the 1st place at the Republican Olympiad on German language and the 2nd place at the Municipal Olympiad on French language in 2014. Spoken language - Romanian, other languages - French, German, English

**Ion Holban, PhD**, Graduated from the State University in Chişinău. Specialization in the field of nuclear physics at the subsidiary of the Moscow State University “M. Lomonosov”, attached to the Joint Institute for Nuclear Research in Dubna, Russia (February **1965** - December **1966**). Doctor of physico-mathematical sciences, 1982, Moscow. Docent, 1992, Moscow. Editor-in-chief of the “Physics and Modern Technologies” periodical (since 2003). Deputy editor at “Physical Review”, 1993 - 1997. Nearly 100 scientific papers, including the monograph “Transport Phenomena in semimetals and alloys on their basis” (authors: D. Ghiţu, I. Holban, V. Canţer, F. Muntean) , 1982. Over 200 works on philosophical issues, interdisciplinary and popular science, including eight books, one of them being encyclopedia for youth “The Universe”, 2000, published in Romanian and Russian.

**Julia Malcoci**, PhD, has a graduated the Faculty of Physics, State University of Moldova (1967-1972). PhD student at State University of Moldova (1972-1976), PhD in physics and mathematics. She worked as a senior researcher and lecturer at the State University of Moldova, Department of Theoretical Physics (1976-1990). Senior specialist at the Ministry of Education (1991-2000), consultant to the Supreme Council for Science and Technological Development (2000-2012). Since 2013 working at the Encyclopedic Studies Institute, senior researcher, monitored areas are physics, astronomy, engineering sciences.

**Ancuţa Manea**, PhD. She has graduated the Faculty of Physics from the Iaşi “Al. I. Cuza” University (1992-1997) and the Master courses at the same Faculty (1997-1999). She works in the field of meteorology from the year 1999. She became a Doctor in Geography in 2006 at the University of Bucharest. Nowadays she held the position of Head of Laboratory for Methods and Meteorological Network Coordination at the Romanian National Meteorological Administration.

**Dan Alin Nedelcu**, PhD, is scientific researcher II at Astronomical Institute of the Romanian Academy (AIRA). He obtained the PhD in the field of astronomy in 2010. He is the author or co-author of more than 17 refereed articles and more than 30 national and international communications. The scientific topics are related to the astronomical observations, data analysis, participation in research projects in the fields of astrometry and planetology, both AIRA and Paris Observatory. He is in present scientific secretary of the AIRA Council.

**Marin Plopeanu**, PhD, is lecturer at the Technical University of Civil Engineering Bucharest, Faculty of Geodesy (TUCEB-FG). He obtained his PhD in geodesy in 2005. He teaches Electromagnetic Measurements and Geodetic Metrology courses. The research activity is related to the measurements effectuated by electromagnetic waves, interferometry, electronics applications in geodesy, databases, geo-visualization, programming and geodetic metrology.

**Marcel Popescu**, PhD, is scientific researcher III at the Astronomical Institute of the Romanian Academy. He obtained in 2012 the PhD title in the field of astronomy and is author or coauthor of more than 10 refereed articles especially in the field of spectroscopy and asteroids astrometry. He has a vast observational experience, until now working with astronomical telescopes NASA-IRTF (3m – Mauna Kea, Hawaii), INT (2.5m – ORM, LaPalma) and T120 OHP (1.2m – Observatoire de Haute-Provence), T1m – Pic du Midi de Bigorre.

**Nedelia Antonia Popescu**, PhD. She graduated the Faculty of Mathematics from the University of Bucharest, has published works in the field of extragalactic astronomy, but

also in the heliospheric problems linked to the interplanetary mass ejections observed by Ulysses and ACE spacecrafts. Former Deputy Director of Astronomical Institute of Romanian Academy, she now leads the program of researches in Astrophysics. She is member of the Romanian Astronomical Journal Board.

**Mircea Rusu**, PhD. He was a lecturer at the Faculty of Physics, University of Bucharest. Areas of research: fundamental and applied physics, astrophysics. Works mainly related to atomic and nuclear processes in the Universe

**Magda Stavinschi**, PhD, Director of the Astronomical Institute of the Romanian Academy (1990-2005). President of the IAU Commission „Education and Development” (2006-2009), of the Institute for Transdisciplinary Studies IT4S, of the Association „Astronomia 21”, of the “Archaeoastronomical Heritage” of “European Society for Astronomy in Culture”, OPTICON, member of the National Romanian Astronomical Committee, of the Romanian Committee for the History and Philosophy of Science and Technique belonging to the Romanian Academy – CRIFST, of CIRET (International Center for Transdisciplinary Research). Associate researcher of the Institut de Mécanique Céleste et Calcul des Ephémérides – IMCCE (France). More than 200 articles in the SAO/NASA Astrophysics Data System (ADS). Field of interest: Astrometry, celestial mechanics, history of science, education, transdisciplinarity. French order: *Officier de l’Ordre National du Mérite*.

**Oana Stere**, PhD student. She graduated the Faculty of Physics from the University of Bucharest, has followed a master in astronomy at Meudon Observatory (France). She published works in solar physics and solar-terrestrial relationships. Now she is preparing a PhD thesis on the coronal mass ejections propagation and effect on Earth.

**Marian Doru Şuran**, PhD, Director of the Astronomical Institute of the Romanian Academy (from 2013), Member in Extragalactic Astronomy and Cosmology, Astrophysics charge of the team Stargate. Activity Internships abroad: Paris-Meudon Observatory Astronomical (1995, 1998, 2000, 2005), Senior Researcher, Stellar Astrophysics, Cosmology. Participation in the European Space ESA / PECS CoRoT C98054, NASA space mission / KEPLER (2007-present), coordinator of subproject KASC 3.2 space mission ESA / GAIA space mission ESA / PLATO. 117 published papers, one of which Science. Awards NURC for ISI article in Science, June, 2011 to April ISI, June, 2011, one article ISI, June, 2012. Hirsh index 14.

**Ion M. Tighineanu**, academician. First Vice President of the Academy of Sciences - ASM. He graduated with honors Institute (University) of Physics and Engineering in Moscow (1978). He obtained a PhD degree in physics and mathematics in 1982 from the Institute of Physics of the Academy of Sciences of the USSR, the scientific degree of doctor habilitatus in 1991 at the Institute of Applied Physics of the ASM, the title of Professor in 1993 at the Technical University of Moldova (TUM). Between 1984-1998 he held various positions of researcher and head of the laboratory at the Institute of Applied Physics of the ASM, between 1995-1999 - a visiting professor at the Technical University of Darmstadt, between 1998-2004 - Vice- Rector of the UTM, the 2004 Vice -President of ASM, and from 2012 - Senior Vice President of ASM. He is the founder and director of the National Center for Materials Study and Testing in TUM. Corresponding Member of ASM in 2007. Academician in 2012. Author of over 280 papers published in journals, four monographs in English and 50 patents. Supervisor of 14 PhD theses and two PhD theses habilitate. Hirsch index :  $h = 28$ .

**Veaceslav V. Ursachi**, academician. Coordinator of Engineering Sciences and Technology Division of the Academy of Sciences of Moldova - ASM. In 1979 he graduated with honors Institute (University) of Physics and Engineering in Moscow. He obtained a PhD degree in

physics and mathematics in 1985 from the Institute of Physics of the Academy of Sciences of the USSR; scientific degree of PhD in 1998 at the Institute of Applied Physics of the ASM. Between 1986 and 2013 he held various positions researcher, laboratory manager and deputy director at the Institute of Applied Physics of the ASM. Periodically served as visiting professor at the Technical University of Athens, Technical University of Darmstadt and the Max-Planck Institute in Stuttgart. 2014 is the coordinator of Engineering Sciences and Technology Division of ASM. Author of over 200 papers published in journals and 30 patents. Hirsch index:  $h = 20$ .