



"Planetarium XXI Century"

June 17 - 19, 2019, Yaroslavl

PROGRAM

of the 4th International Conference

"Planetarium of the XXI century"

dedicated to the flight of the first female cosmonaut and Hero of the Soviet Union –
Valentina V. Tereshkova

June 17, 2019 (Monday). TECHNOLOGY DAY

<i>Timetable</i>	<i>Event listings</i>
10.00 – 12.00	Registration of the Conference participants (near the dome entrance) Excursion around the Cultural and Educational Centre named after V. V. Tereshkova
12.00 – 12.20	Conference opening
12.20 – 12.40	Megastar star projectors and projection technologies overview <i>Alexander Adli, Ohira Tech Ltd., Japan</i>
12.40 – 13.25	Immersive learning environment in planetariums and space museums <i>Alexey E. Zemko, Corporate Group "EKSPONI", Moscow, Russia; Axel Hüttinger, Germany.</i>
13.25 – 14.00	JVC Projector Presentation <i>Alexey O. Sokolskiy, JVCKENWOOD RUS LLC", Moscow, Russia</i>
14.00 – 15.00	Lunch
15.00 – 15.30	Evans & Sutherland Digistar 6 presentation <i>Christophe Bertier, Germany, European Sales Manager of Evans & Sutherland Digistar</i>
15.30 – 16.15	Quality, accessibility and mobility. Ten years of successful experience in designing and producing domes <i>Leonid B. Dretser, LLC "Adventure", (Saint Petersburg, Russia)</i>
16.15 – 17.00	Presentation of software and planetarium equipment developer "SkyExplorer digital video system – application and new possibilities" <i>Peter A. Brusentsev, LLC "AVI Lab" (Moscow, Russia) – RSA Cosmos/Digital Projection (France)</i>
17.00 – 17.30	Coffee break
17.30 – 18.30	New planetarium projects by Fulldome.pro implemented in Russia and abroad <i>Yaroslav V. Gubchenko, Fulldome Film Society, (Nizhny Novgorod, Russia)</i>
18.30 – 19.30	Carl Zeiss equipment. Hybrid systems as the future of classical planetariums <i>Martin Kraus, Ann Lakey "Carl Zeiss", Jena (Germany) / Andrey Lobanov, LLC "Svensons ART MEDIA" (Moscow, Russia)</i>
19.30 – 20.30	Dinner

June 18, 2019 (Tuesday). PLANETARIUM DAY

<i>Timetable</i>	<i>Event listings</i>
10.00 – 10.30	The didactic potential of planetariums for studying "Seasonal changes of visible Sun's movements" <i>Natalia V. Dmitrieva, teacher of additional education, State Budgetary Vocational Educational Institution "Vorobievsky Gory", the Center of Astronomical and Space education (Moscow, Russia)</i>
10.30 – 10.45	Engineering experience: the creation of interactive astronomy textbooks and modernization of angles of ZKP-2 planetarium equipment <i>Sergey I. Zudin, engineer, State Budgetary Vocational Educational Institution "Vorobievsky Gory", the Center of Astronomical and Space education (Moscow, Russia)</i>
10.45 – 11.00	Report on methodological work in planetariums. Planetariums at the confluence of culture, education and science. Innovations and new forms of work in planetariums <i>Alexey V. Shustrov, Maksimachev Planetarium, (Moscow, Russia)</i>
11.00 – 11.30	Educational full-dome films for school planetariums <i>Andrey V. Fesenko, Maksimachev Planetarium, (Moscow, Russia)</i>
11.30 – 12.00	Astrology lessons in portable planetariums <i>Elena V. Kondakova, Bunin Yelets State University, (Yelets, Russia)</i>
12.00 – 12.15	Interactive methods of work in the planetarium of Samara University <i>Irina A. Feoktistova, Federal State Autonomous Educational Institution of Higher Education "Samara National Research University named after academician S.P. Korolev" (inter-university humanitarian museum center), (Samara, Russia)</i>
12.15 – 13.00	Specifics of engineering and equipping modern planetariums <i>Ilya I. Klyagin, design studio "Kontseptor" (Yaroslavl) / Andrey Lobanov, LLC "Svensons ART MEDIA", (Moscow, Russia)</i>
13.00 – 14.00	Lunch
14.00 – 14.30	The 25th anniversary of the Russian Planetariums Association <i>Zinaida P. Sitkova, Nizhny Novgorod Planetarium named after G.M. Grechko, (Nizhny Novgorod, Russia)</i>
14.30 – 15.10	A. Einstein's universe <i>Zinaida P. Sitkova, Nizhny Novgorod Planetarium named after G.M. Grechko, (Nizhny Novgorod, Russia)</i>
15.10 – 16.00	Key astronomical issues in school curricula <i>Anatoly V. Zasov, Doctor of Physics and Mathematics, Professor at Sternberg Astronomical Institute, Moscow University, the author on astronomy of the publishing house "BINOM. Laboratory of Knowledge", (Moscow, Russia)</i>
16.00 – 16.30	Coffee break
17.00 – 17.40	Lecture with full-dome visualization "Search for extraterrestrial intelligence" <i>Nicolay I. Perov, Ekaterina N. Tikhomirova SACI YR «Center named after Valentina V. Tereshkova», (Yaroslavl, Russia)</i>
17.40 – 18.10	Problems of building planetariums and their functioning within the structure of modern school. Possible solutions <i>Dmitry V. Semenov, Municipal Budgetary Educational Institution of Irkutsk Secondary School No. 19, head of the department "Planetarium"</i> <i>Sergey A. Yazev, Director of Irkutsk State University Observatory, (Irkutsk, Russia)</i>
18.10 – 19.00	Planetariums association. New status, life and way of functioning <i>Andrey V. Lobanov, Association of planetariums and individuals promoting their development, (Moscow, Russia)</i>
19.00 – 20.00	Dinner
20.00 – 21.30	Sightseeing tour

June 19, 2019 (Wednesday). SCIENCE DAY

<i>Timetable</i>	<i>Event listings</i>	
	Popular science lectures:	
10.00 – 10.45	Steep roads of the Moon <i>Sergey A. Yazev, Doctor of Physics and Mathematics, Director of Irkutsk State University Observatory, senior researcher at SB RAS Institute of Solar-Terrestrial Physics, (Irkutsk, Russia)</i>	
10.45 – 11.30	In the light of the star called Sun <i>Sergey A. Yazev, Doctor of Physics and Mathematics, Director of Irkutsk State University Observatory, senior researcher at SB RAS Institute of Solar-Terrestrial Physics, (Irkutsk, Russia)</i>	
11.30 – 12.15	Global space exploration at a crossroad. What else to do in space? <i>Alexander V. Bagrov, Doctor of Physics and Mathematics, Professor at RAS Institute of Astronomy, (Moscow, Russia)</i>	
12.15 – 13.00	Science of variables in the context of discoveries made by Gaia satellite <i>Nikolay N. Samus, Doctor of Physics and Mathematics, Professor, senior researcher at RAS Institute of Astronomy and Sternberg Astronomical Institute, Moscow University, (Moscow, Russia)</i>	
13.00 – 14.00	Lunch	
14.00 – 14.45	International Astronomical Union: the first century <i>Dmitry Z. Vibe, Doctor of Physics and Mathematics, Professor at the Russian Academy of Sciences, Head of the Department of Physics and Star Evolution at the Russian Academy of Sciences, (Moscow, Russia)</i>	
14.45 – 15.30	Space around the Earth <i>Oleg S. Ugolnikov, chairman of judges and methodological commission of the All-Russian academic completion on astronomy among school students, Candidate of Physical and Mathematical Sciences, senior researcher at RAS Institute of Space Research, (Moscow, Russia)</i>	
15.30 – 16.15	Massive formation of stars – Cradle on the galactic scale <i>Paul Andrew Boley, senior researcher at the Laboratory of Fundamental and Applied Research of Relativistic Objects of the Universe, Moscow Institute of Physics and Technology, (Doldoprudnii, Russia)</i>	
16.15- 17.00	Superfast stars. Historical background and new discoveries <i>Sergey V. Zhuiko, junior researcher, Head of Student Astronomy Observatory at Sternberg Astronomical Institute, Moscow University, Andrey K. Dambis, Doctor of Physics and Mathematics (Sternberg Astronomical Institute, Moscow University), (Moscow, Russia)</i>	
17.00 – 18.00	Conference closing	
18.00 – 19.30	Stand-up party	Panel session of the Center academic council