

The Director of IKIR FEB RAS and the Chief Editor of the Journal «Bulletin of KRASEC. Physical & Mathematical Sciences», Shevtsov B.M. is 65!



Professor Shevtsov B.M.

On 17 March 2017, the Director of the Institute of Cosmophysical Research and Radio Wave Propagation (IKIR) FEB RAS, the Chief Editor of the Journal "Bulletin of KRASEC. Physical & Mathematical Sciences" Doctor of Physical and Mathematical Sciences, Shevtsov Boris Mikhailovic turned 65! He is well known in our country and abroad as a prominent scholar who contributed much into Radiophysics, Acoustics and Optics. A geophysical complex of observation systems was developed in the Far East under his direction. It was aimed at the investigation of solar-terrestrial relations and geospheres interaction. The complex includes a unique ionospheric lidar with record sounding heights of 200-300 km that was developed on the basis of the method of light resonance scattering on excited atoms. Therefore, experiments on laser resonance diagnostics and modification of ionospheric plasma are carried out in Kamchatka. B.M. Shevtsov is the author of 256 publications, 3 monographs, 2 patents. The most cited B.M. Shevtsov's papers are the articles on ocean and atmosphere lidar sounding, on experimental investigations of geoacoustic emission anomalies. Directed by Shevtsov B.M., a magnetic dynamo model was developed. It is consistent with the data of

acoustic observations of the Earth liquid core convective structure and the probability distribution power laws of the magnetic field reverse waiting time.

Clear statement of scientific problems in the world knowledge system on the objects under investigation, in-depth analysis of the topic under consideration, world level of theoretical generalization are characteristic for B.M. Shevtsov's scientific activity. He is a strong advocate of coordination and integration of Russian and foreign scientists efforts to solve grand challenges in the areas of investigation of space weather, geomagnetic disturbances, lightning activity and ionospheric plasma dynamics. Eight international projects are guided by Shevtsov B.M. Continuing the lidar observations in Kamchatka, he discusses with European colleagues the possibility to perform similar experiments in Arctic. On the experience of foreign colleagues and in cooperation with other institutes, he is ready to project and to construct a modern lidar station for the Russian Arctic sector.



B.M. Shevtsov's working days



IKIR FEB RAS

IKIR turned 30 in 2017; 15 years from this period, Shevtsov B.M. was the Director of it. During this time, the Institute became the only one in Russia which have three magnetic observatories, certified as INTERMAGNET International Network sites ("Magadan" "Paratunka" and "Khabarovsk"). The IKIR ionospheric sites ("Magadan" "Paratunka" and "Khabarovsk") operate according to the URSI program on the ionosphere vertical sounding. Neutron monitors of

cosmic rays at "Magadan" and "Mys Shmidta" observatories are included into an international network. Far-Eastern segments of WWLLN and AWDANet global networks were constructed within the international agreements with Hungary and USA. Long-term observation complexes in Kamchatka seismic area make it possible to create a unique data base of earthquake precursors of different nature.

Shevtsov B.M. puts in great efforts to prepare highly-skilled scientists. He is a member of two Dissertation Councils, a Professor of the Far-Eastern Federal University, of Vitus Bering Kamchatka State University and of Kamchatka State Technical University during different periods. He was one of the organizers of the International conference «Solar-Terrestrial Relations and Physics of Earthquake Precursors» and that of the multidisciplinary scientific seminar and school for young scientists «Space and Geospheres Physics» regularly held at IKIR FEB RAS and Vitus Bering Kamchatka State University. In 2016 he was a Chief of the Organizing Committee of COSPAR Capacity Building Workshop in Kamchatka!



Scientific contribution of B.M. Shevtsov

Scientific achievements and creative potential, fruitful scientific, international, teaching and organizational activity of the Doctor of Physical and Mathematical Sciences, Shevtsov B.M., give us grounds to think that he will continue his fruitful activity for the benefit of Russia and Science!

Our best wishes to Boris Mikhailovich for the 65-the anniversary! We wish him happiness, perfect health, emotional youth, success in business and in his creative work, new scientific achievements, love of close relatives and friends, respect of colleagues and all the best!

Editorial Board and IKIR FEB RAS colleagues