

**Curriculum vitae (CV)**

Personal information	
First name, last name	<u>Boris Ryabov</u>
Birth data	<u>05/11/1951</u>
Education	
1983	Ph.D., Astronomy Main Astronomical Observatory, Leningrad, USSR Ph.D. Thesis: "Model simulations of the sunspot magnetic fields in the solar corona on the base of radio observations of the local sources on the Sun"
1977 - 1979	Ph.D. Student Main Astronomical Observatory, Leningrad, USSR Astronomy under Prof. G. B. Gelfreikh supervision
1969 - 1974	M.Sc., Astronomy
Current employment	
1998 to date	Senior Researcher (full time) of the Ventspils International Radio Astronomy Center
Previous employment	
1997 - 2015	Senior Researcher of the Institute of Astronomy of the University of Latvia
1994 - 1996, 1991 - 1998, and 1980 - 1986	Leading Researcher of the Radioastrophysical Observatory, Latvian AS
1992 - 1993	Visiting Scientist in the Special Astrophysical Observatory, Russian AS
1984 - 1987	Visiting Scientist in the Main (Pulkovo) Astronomical Observatory, Russian AS
1977 - 1979	Ph. D. Student in the Main (Pulkovo) Astronomical Observatory, Russian AS
1974 - 1976	Assistant in the Main (Pulkovo) Astronomical Observatory, Russian AS
Research experience	
<i>Selected research projects</i>	
Latvian Ministry of Education and Science VPP "Nākamās paaudzes informācijas un komunikācijas tehnoloģiju pētniecības valsts programma", 2014 - 2017, CO.	
Latvian Council of Science (LCS)	
<ul style="list-style-type: none"> <li>▪ "Microwave observations of the Sun as information system on solar activity forecast", 11.1856, 2011 - 2013, PI.</li> <li>▪ "Solar Investigations on the Basis of the VIRAC 32-m Radiotelescope", 96.0129, 1997 - 2000, PI. Commission of the European Communities (6th Framework Programme)</li> <li>▪ "Space Weather and Europe - an Educational Tool with the Sun" (SWEETS), 044532, 2007, CR.</li> </ul>	
International Association for the promotion of co-operation with scientists from the New Independent States of the former Soviet Union (INTAS)	
<ul style="list-style-type: none"> <li>▪ "Solar Coronal Magnetography", INTAS 00 - 0181, 2001 - 2003, CO.</li> <li>▪ "Study of the MHD Oscillations in the Solar Active Regions Using Radio Observations", INTAS 00 - 0543, 2001 - 2004, CR.</li> </ul>	
International Science Foundation (ISF)	

- “Three-Dimensional Structure of the Coronal Magnetic Fields of Active Regions on the Sun”, LFB000, 1994 - 1995, PI.

*Publications on the theme of the project ([SCOPUS](#), [SAO/NASA Astrophysical Data System](#))*

- **Ryabov, B. I.**, Shibasaki, K.: “Depressed emission between magnetic arcades near a sunspot”. – Baltic Astronomy, 2016, **25**, 2, 225.
- **Ryabov, B. I.**, Gary, D. E., Peterova, N. G., Shibasaki, K., Topchilo, N. A.: 2015, “Reduced coronal emission above large isolated sunspots”, Solar Physics, **290**, 1, 21.
- Bogod, V.M., Peterova, N.G., **Ryabov, B.I.**, Topchilo, N.A.: 2015, “On the recording of an emission with a reduced brightness in the region of a strong sunspot magnetic field”, Cosmic Research, **53**, 1, 10.
- Bezrukov, D. A., **Ryabov, B. I.**, Shibasaki, K.: “Isolated Sunspot with a Dark Patch in the Coronal Emission”. – Baltic Astronomy, 2012, **21**, 509.
- Bezrukov, D, **Ryabov, B.**, Peterova, N., Topchilo, N.: “Sharp changes in the ordinary mode microwave emission from a stable sunspot: model analysis”. – Latvian Journal of Physics and Technical Sciences, 2011, **48**, 56.
- Bezrukov, D, **Ryabov, B.**: “Prospects of solar microwave observations at the Ventspils Radio-Astronomy Center””. – Latvian Journal of Physics and Technical Sciences, 2009, **46**, 58.

*Selected publications*

- **Ryabov, B.I.**, Maksimov, V.P., Lesovoi, S.V., Shibasaki K., Nindos, A., Pevtsov, A.: “Coronal magnetography of solar active region 8365 with the SSRT and NoRH radio heliographs”. – Solar Physics, 2005, **226**, 223. ([SCOPUS](#))
- **Ryabov, B. I.**, Pilyeva, N. A., Alissandrakis, C. E., Shibasaki, K., Bogod, V. M., Garaimov, V. I., Gelfreikh, G. B.: “Coronal Magnetography of an Active Region From Microwave Polarization Inversion”.- Solar Physics, 1999, **185**, 157. ([SCOPUS](#))
- Gelfreikh, G.B., Pilyeva, N.A., **Ryabov, B.I.**: “On the gradient of coronal magnetic fields from radio observations”. - Solar Physics, 1997, **170**, 253. ([SCOPUS](#))
- Lang K.R., Willson R.F., Kile J.N., Lemen J., Strong K.T., Bogod V.M., Gelfreikh G.B., **Ryabov B.I.**, Hafizov S.R., Abramov V.E., Svetkov S.V.: “Magnetospheres of solar active regions inferred from spectral-polarization observations with high spatial resolution”. - Ap. J., 1993, **419**, Part 1, p.398-417. ([SCOPUS](#))
- Gelfreikh, G. B., Peterova, N. G., **Ryabov, B. I.**: “Measurements of magnetic fields in solar corona as based on the radio observations of the inversion of polarization of local sources at microwaves”. - Solar Physics, 1987, **108**, 89. ([SCOPUS](#))

*Selected invited talks and presentations*

- **Ryabov B. I.**, Gary D. E., Peterova N. G., Topchilo N. A. „Depletion in coronal and chromospheric emission above large isolated sunspot”. - CESRA 2013 Workshop, June 24 – 29 2013, Prague, Czech Republic, „New eyes looking at solar activity: Challenges for theory and simulations”.
- **Ryabov Boris**, Bezrukov Dmitry “VIRAC: Recent results in Solar Radio Astronomy - Preparation for Space Weather activities”, „EU- Russia open days’ workshop, October 24 – 25, 2011, Vienna, Austria.
- Bezrukov D. A, **Ryabov B. I.** “Prospects of solar microwave observations at the Ventspils Radio Astronomy Center”,- The Community of European Solar Radio Astronomers (CESRA 2010), Conference "Energy storage and release through the solar activity cycle - models meet radio observations". La Roche en Ardenne (Belgium), from June 15 to June 19, 2010.
- **Ryabov B. I.** "Coronal magnetograms of solar active regions derived from polarization inversion in microwaves", Nobeyama Symposium, 2004 "Solar Physics with the Nobeyama Radioheliograph", Seisen-Ryo, Kiyosato, Nobeyama Solar Radio Observatory, Japan, October 26 - 29, 2004.
- **Ryabov B. I.** "Coronal magnetography from quasi-transverse propagation", Green Bank Workshop "Solar Radiophysics with the Frequency Agile Solar Radiotelescope", NRAO, Green Bank, WV, USA, May 23-25, 2002.

Awards and scholarships

Non	
Thesis work led	
2009 - 2011	PhD student Dmitry Bezrukov supervising (PhD in Astronomy in 2013)
Pedagogical work	
2007 - 2013, 2015	Lectures „Introductory Solar Radio Astronomy”, Ventspils University College
Participation in scientific bodies	
2003 - 2012	Member of Division E Sun and Heliosphere of International Astronomical Union
2003 – 2015	Member of Com.12 Solar radiation & structure of IAU
2015 until now	Member of Division A Fundamental Astronomy of IAU
2015 until now	Member of Division E Sun and Heliosphere of IAU
Institutional positions	
2009 to date	Member of the Ventspils University College VIRAC scientific council