

Name	Vladimir Troyan
Position	Professor
Affiliation	St. Petersburg State University
Higher education	<ul style="list-style-type: none"> • 1980 Habilitation in Physics and Mathematics • 1967 PhD "Processing of Seismic Data" • 1963 Diploma Degree in Geophysics
Academic career	<ul style="list-style-type: none"> • 2015 to recently Professor of Geophysics of the Department of Physics of the Earth, Saint Petersburg State University • 1989-2006 Vice-rector for Research at the Saint Petersburg State University • 1988 - 2015 Chairman of the Department of Physics of the Earth, Saint Petersburg State University • 1977-1988 Senior scientist at the Research Institute for Physics, Leningrad State University • 1972-1977 Advisor for mathematical methods in Geophysics at the public enterprise Geophysics, Leipzig, GDR • 1966-1972 Assistant at the Department of Physics of the Earth
Teaching activities	<p>Professorships at the Universities of California, Columbia, Berlin, Madrid, Stockholm, Helsinki, Tokio etc.</p> <p>Lectures (M.Sc.): Principals of inverse geophysical problems solution, Statistical methods for geophysical data processing, Ray and diffraction geophysical tomography, Processing of geophysical data</p>
Research and development projects during the past 5 years	<ul style="list-style-type: none"> • 2011-2016 Full Wave Form Analysis - CRDF, USA • 2011-2016 Estimation of Rock properties using Full Wave Form - CRDF, USA • 2011-2016 Elastic Reverse Time Migration - CRDF, USA
Activities in scientific organizations and associations during the past 5 years	<ul style="list-style-type: none"> • 1993-2017 Local chapter EAGE in Saint Petersburg • 2002-2017 Member of European-Asian Geophysical Society
Significant publications during the past 5 years	<p>1. Nasyrov, Denis, Kiyashchenko, Denis, Kiselev, Yurii, Kashtan, Boris and Troyan Vladimir, 2015. Velocity analysis with vertical seismic profile data using migration of surface-related multiples. GEOPHYSICS, 80(6), U73-U86. https://doi.org/10.1190/geo2015-0107.1</p> <p>2. Oelke, A., Alexandrov, D., Abakumov, I., Glubokovskikh, S., Shigapov, R., Krüger, O. S., Kashtan, B., Troyan, V., and Shapiro, S. A., 2013. Seismic</p>

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	<p>reflectivity of hydraulic fractures approximated by thin fluid layers. GEOPHYSICS, 78(4), T79-T87. https://doi.org/10.1190/geo2012-0269.1</p> <p>3. Kazei, V. V.; Troyan, V. N.; Kashtan, B. M.; Mulder, W. A., 2013. On the role of reflections, refractions and diving waves in full-waveform inversion. Geophysical Prospecting, vol. 61, issue 6, pp. 1252-1263 https://doi.org/10.1111/1365-2478.12064</p> <p>4. Molodtsov D. M., Troyan, V. N., Roslov, Y. V., Zerilli, A., 2013. Joint inversion of seismic traveltimes and magnetotelluric data with a directed structural constraint. Geophysical Prospecting. Volume 61, Issue 6, November 2013 Pages 1218–1228. https://doi.org/10.1111/1365-2478.12060</p>
Awards	<ul style="list-style-type: none"> • 2006 Award for Development of the Higher Education in Russia • 2002 Order of Friendship • 1989 Honored Scientist of the Russian Federation