

Curriculum Vitae
of Vladimir K. Dobrev

I was born on 27 September 1946 in Stara Zagora, Bulgaria. From 1948 I live in Sofia, the capital of Bulgaria. I finished English language high school in Sofia in 1965. The same year I started my studies at the Physics Dept. of Sofia University. In 1967 I continued at the Physics Dept. of Moscow University. I obtained from there my Master degree in Theoretical Physics in 1971.

In 1971 I started work in the Theory of Elementary Particles Group of the Institute of Nuclear Research and Nuclear Energy of the Bulgarian Academy of Sciences. In 1975 I spent six months at Princeton University. Three papers which were the basis of a Springer Lecture Notes in Physics (Vol. 63, 1977) were finished during this visit. In 1975 I obtained a permanent position as Assistant Professor at the Institute in Sofia. In 1978 in Sofia I obtained my PhD degree. The theme of my dissertation was "*Elementary representations and intertwining operators for the Euclidean conformal group*". In 1982 I got the Bulgarian National Award for Young Scientists. In 1982 I got the Raccah Award of the International Science Centre in Erice, Italy. In 1984 I was awarded a Humboldt Fellowship and 1990 I was awarded the continuation of my Humboldt Fellowship. In 1986 I made my habilitation and I obtained the position of Associate Professor at the Institute in Sofia. In February 1995 at TU Clausthal I obtained the title *Dr. Rer. Nat. Habil.* with the thesis "*Representations of Quantum Groups and q - Deformed Invariant Wave Equations*". In January 1998 in Sofia I obtained the title *Dr. Sci.* (Doctor of Physical Sciences). From the beginning of 2002 I am **Full Professor** at the Institute in Sofia.

As a Humboldt Fellow I visited in 1984-85 (for fourteen months) the Institute of Theoretical Physics and the Arnold Sommerfeld Institute for Mathematical Physics at the Technical University Clausthal. I visited these Institutes also in 1993-95 (for 24 months) and as DFG Guest Professor in 1998-99 (15 months). There I made also one-month visits in 1995, 1996, 1997, 1999. Also as a Humboldt Fellow I visited in 1990-91 (for ten months) the University of Göttingen. I visited Penn State University in 1990, 1992, 2003, for a month. I visited in 1991-92 (for ten months) the International Centre for Theoretical Physics (ICTP). I visited the ICTP also in 1983, 1985, 1986, 1988 (at the Math. Dept.), 1989, 1995, 1997, 1998, 2002, 2005, 2006, 2008, 2009, 2014, for two, two, three, three, two, three, four, two, three, one, three, one, one, one, months, resp. In April-June 1993 I visited the University of Trieste for 3 months. In 1999, 2000, I visited LAPTH-Annecy and CPT Ecole Polytechnique for 1 week each under the BAS-CNRS agreement. In 2000 and in 2001 I visited CERN for 1 month. In 2000-2001 and in 2003-2004 I visited for 17,12, months, resp., the University of Northumbria at Newcastle. In 2001, 2003 I visited LAPTH-Annecy for 1 week. In 2002 I visited the University of Sydney for 6 weeks. In 2003 and in 2006 I visited LAPTH-Annecy as Invited Professor of the University of Savoie for 1 month. In 2004, 2007 and 2010 I visited SISSA (Trieste) for 1 month. In 2007 I visited SACLAY for 1 month. In 2009 I visited Osaka Prefecture University for 1 month.

I have participated in many schools in theoretical and mathematical physics : Karpacz 1973 (with talk), Ebeltoft (Denmark) 1973, Gyulechitsa (Bulgaria) 1975, Primorsko (Bulgaria) 1977, 1978, 1980, Schladming 1980 (with talk), Erice 1982, Varna (Bulgaria) 1982, many national conferences in Bulgaria : Sofia 1973, 1974, 1978, 1983, Vidin 1976, and many *international conferences* and *workshops* :

1. Talk at Conference on Monopoles, Trieste, December 1981.
2. Talk at Conference on Algebraic Geometry and Integrable Systems, Oberwolfach, July 1984.
3. Talk at Workshop on Mathematical Physics, Clausthal, July 1984.
4. Talk at XIII Conference on Differential Geometric Methods in Theoretical Physics, Shumen, 1984.
5. **Lectures** at Workshop on Mathematical Physics, Clausthal, July 1985.
6. Talk at Symposium on Conformal Groups and Structures, Clausthal, August 1985.
7. Talk at College on Representations of Lie groups, Trieste, November 1985.
8. Talk at Workshop on Graded Lie Algebras, Trieste, December 1985.
9. **Lectures** at Srni Winter School, January 1986.
10. Talk at Symposium on Topological and Geom. Methods in Field Theory, Helsinki, June 1986.
11. Talk at XV Conference on Diff. Geom. Methods in Theoretical Physics, Clausthal, July 1986.
12. **Lectures** at Workshop on Representations of Lie Groups, Trieste, November 1986.
13. Talk at XVI Colloquium on Group Theoretical Methods in Physics, Varna, June 1987.
14. Talk at Workshop on Mathematical Physics, Clausthal, July 1987.

15. Talk at Workshop on Enveloping Algebras, Oberwolfach, August 1987.
16. Talk at Workshop on Riemann Surfaces, Trieste, December 1987.
17. **Lectures** at Workshop on Mathematical Physics, Clausthal, July 1988.
18. **Invited** talk at XVII Conference on Diff.-Geom. Methods in Theor. Physics, Chester, August 1988.
19. **Invited** talk at XXII Workshop on Elementary Particles, Aarenschoop, October 1988.
20. Talk at XIII Johns-Hopkins Workshop, Florence, June 1989.
21. Talk at Workshop on Mathematical Physics, Clausthal, July 1989.
22. Talk at Group Theory Conference, St. Andrews, 29.7.-12.8.1989.
23. Talk at Conference "300 Jahre Mathemat. Gesellschaft in Hamburg", Hamburg, March 1990.
24. Talk at Yukawa Seminar "Mathematics and Physics", Kyoto, 10-16 & 17-19 May 1990.
25. Talk at XVIII Colloquium on Group Theoretical Methods in Physics, Moscow, 4-9 June 1990.
26. **Invited review** talk at Symposium "Symmetries in Science V", Schloss Hofen, Austria, 30.7.-3.8.1990.
27. **Invited** talk at XIV Johns-Hopkins Workshop, Debrecen, August 1990.
28. **Lectures** at the Winter School on Infinite - Dimensional Differential Geometry, Vienna, 3.-9.2.1991.
29. **Plenary lecture and invited talk** at the 22nd Annual Iranian Mathematics Conference, Mashhad, Iran, 13-16.3.1991.
30. **Invited** talk at the Conference "Physics beyond the standard model", March 20-22, 1991, Bad Honnef, Germany.
31. Talk at II Symposium on Topological and Geometrical Methods in Field Theory, Turku, Finland, 26.5-1.6.1991.
32. **Invited** talk at the II Wigner Symposium, Goslar, Germany, 15-20.7.1991.
33. Talk at X Congress of the Intern. Assoc. of Math. Phys., Leipzig, 30.7-9.8.1991.
34. **Lectures** at the Karpacz Winter School, 16-29.2.1992.
35. **Invited** talk at XXI Conference 'Diff.-Geom. Methods in Theor. Physics', Tianjin, China, 5-9.6.1992.
36. **Invited** talk at the Annual Nankai Workshop on Quantum Group Theory and Knot Theory, Tianjin, China, 11-13.6.1992.
37. Talk at XVII Colloquium on Group Theor. Methods in Physics, Salamanca, 29.6.-4.7.1992.
38. **Invited** talk at the Symposium "Symmetries in Science VI: From the Rotation Group to Quantum Algebras" in honor of Professor L.C. Biedenharn on the occasion of his 70th birthday, Bregenz, Austria, 2-7.8.1992.
39. **Invited** talk at the XXVI Workshop on Elementary Particles, Wendlich-Rietz, 9-13.9.1992.
40. **Invited** talk at the Workshop on Differential Geometry and Quantum Physics, Leipzig, 28.9.-2.10.1992.
41. Talk at Workshop on Two-Dimensional Quantum Field Theory, Vienna, 8-12.3.1993.
42. **Invited** talk at the Workshop on Representation Theory of Lie Groups, Trieste, 15.3.-2.4.1993.
43. **Invited** talk at the Symposium "Generalized Symmetries in Physics", Clausthal, 27-29.7.1993.
44. **Plenary** talk at the III Wigner Symposium, Oxford, England, 5-11.9.1993.
45. Talk at XX Colloquium on Group Theor. Methods in Physics, Osaka, 4-9.7.1994.
46. Talk at XI Congress of the Intern. Assoc. of Math. Phys., Paris, 18-23.7.1994.
47. **Invited** talk at the Symposium "Symmetries in Science VIII", Bregenz, Austria, 8-12.8.1994.
48. **Invited** talk at the XXVIII Workshop on Elementary Particles, Wendisch-Rietz, 30.8.-3.9.1994.
49. **Invited** talk at the Conference "Representations of Lie groups, Lie algebras and their quantum analogues", Enschede, The Netherlands, 19-21.12.1994.
50. **Lectures** at Srni Winter School, 14-21.1.1995.
51. **Plenary** talk at the IV Colloquium "Quantum Groups and Integrable Systems", Prague, 22-24.6.1995.
52. **Plenary** talk at the VII International Conference on Symmetry Methods in Physics, Dubna, 10-16.7.1995.
53. Talk at IV Wigner Symposium, Guadalajara, Mexico, 7-11.8.1995.
54. **Invited** lecture at mini-semester 'Quantum Groups & Quantum Spaces', Banach Center, Warsaw, 4th week (27.11-1.12.1995).
55. **Invited** talk at the Barut Memorial Conference on Group Theory in Physics, 21-27.12.1995, Edirne, Turkey.
56. **Invited** talk at the 10th International Conference 'Problems of Quantum Field Theory', Alushta, Crimea, Ukraine, 13-18.5.1996.

57. **Invited** talk at the Symposium "Symmetries in Science IX", Bregenz, Austria, 6-10.8.1996.
58. Talk at the XVIIth UK Institute for Theoretical High Energy Physics, Durham, 26-30.8.1996.
59. **Invited** talk at the IX Max Born Symposium, Karpacz, 25-28.9.1996.
60. **Plenary** talk at the VI Colloquium "Quantum Groups and Integrable Systems", Prague, 19-21.6.1997.
61. **Invited** talk at the Symposium "Symmetries in Science X", Bregenz, Austria, 14-18.7.1997.
62. **Plenary** talk at the VIII International Conference on Symmetry Methods in Physics, Dubna, 28-7-2.8.1997.
63. Talk at V Wigner Symposium, Vienna, 25-29.8.1997.
64. **Invited** talk at International Conference "Quantum Groups, Deformations and Contractions", Istanbul, 17-24.9.1997.
65. **Invited** talk at International Conference "Particles, Fields, Gravitation", Lodz, 14-19.4.1998.
66. **Invited** talk at III International Workshop on Classical and Quantum Integrable Systems, Yerevan, 29.6-4.7.1998.
67. Talk at "Seminar Sophus Lie", Clausthal, 5-6.2.1999.
68. **Invited** talk at International Workshop "Algebraic and Geometric Methods in Quantum Theory and Statistical Physics", Leipzig, 20-26.2.1999.
69. **Plenary** talk at the VIII Colloquium "Quantum Groups and Integrable Systems", Prague, 17-19.6.1999.
70. **Invited** talk at the Symposium "Symmetries in Science XI", Bregenz, Austria, 1-6.8.1999.
71. Talk at VI Wigner Symposium, Istanbul, 16-23.8.1999.
72. **Invited** talks (2) at the XIV Max Born Symposium, Karpacz, 21-24.9.1999.
73. **Invited** talk at Workshop on Quantum Geometry and Quantum Groups, York, UK, 14.12.1999.
74. Talk at International Conference on Partial Differential Equations, Clausthal, 2000.
75. **Plenary** talk at the X Colloquium "Quantum Groups and Integrable Systems", Prague, 21-23.6.2001.
76. **Plenary** talk at the IX International Conference on Symmetry Methods in Physics, Yerevan, 3-8.7.2001.
77. Talk at II International Symposium "Quantum Theory and Symmetries", Cracow, 17-21.7.2001.
78. **Invited** talk at the Symposium "Symmetries in Science XII", Bregenz, Austria, 22-27.7.2001.
79. Lectures at School in Modern Mathematical Physics, Sokobanja, Serbia, 13-25.8.2001.
80. Talk at "Seminar Sophus Lie", Erlangen, 21-22.6.2002.
81. Talk at XXIV Intern. Colloquium on Group Theoretical Methods in Physics, Paris, 14-21.7.2002.
82. Talk at Intern. Congress of Mathematicians, Beijing, 20-28.8.2002.
83. Talk at 3rd Univ. of Queensland Mathematical Physics Workshop, Coolangatta, Australia, 4-6.10.2002.
84. Talk at International Workshop "Recent Advances in the Theory of Quantum Integrable Systems", 25-28.3.2003, Annecy-le-Vieux, France.
85. **Plenary** talk at the X International Conference on Symmetry Methods in Physics, Yerevan, 13-21.8.2003.
86. **Invited** talk at the III International Symposium "Quantum Theory and Symmetries", Cincinnati, 10-14.9.2003.
87. **Invited** talk at the 8th UK Meeting on Integrable Models, Conformal Field Theory and Related Topics, Edinburgh, 16-17.4.2004.
88. **Plenary** talk at the XIII Colloquium "Quantum Groups and Integrable Systems", Prague, 17-19.6.2004.
89. **Plenary** talk at the XI International Conference on Symmetry Methods in Physics, Prague, 21-24.6.2004.
90. Talk at XXV Intern. Colloquium on Group Theoretical Methods in Physics, Cocoyoc, Mexico, 2-6.8.2004.
91. **Invited** talk at III School in Modern Mathematical Physics, Zlatibor, Serbia, 20-31.8.2004.
92. **Invited** talk at International Conference on Theoretical Physics, FIAN, Moscow, 11-16.4.2005.
93. Talk at the 13th International Conference on Supersymmetry and Unification of Fundamental Interactions, 18-23.7.2005, IPPP Durham.
94. Talk at 2nd International Workshop "Recent Advances in the Theory of Quantum Integrable Systems", 6-9.9.2005, Annecy-le-Vieux, France.
95. **Plenary** talk at the XV Colloquium "Quantum Groups and Integrable Systems", Prague, 15-17.6.2006.
96. Talk at XXVI Intern. Colloquium on Group Theoretical Methods in Physics, New-York, 26-30.6.2006.
97. **Plenary** talk at the XII International Conference on Symmetry Methods in Physics, Yerevan, 3-8.7.2006.
98. **Invited** talk at the International Conference "Pioneers Of Bulgarian Mathematics" (Dedicated to Nikola

- Obrechhoff and Lubomir Tschakaloff), Sofia, 8-10.7.2006.
99. **Invited** talk at the V International Symposium "Quantum Theory and Symmetries", Valladolid, 22-28.7.2007.
 100. Talk at International Conference on Integral Geometry, Harmonic Analysis and Representation Theory (in honor of Sigurdur Helgason on the occasion of his 80th birthday), Reykjavik, 15-18.8.2007.
 101. Talk at 3rd International Workshop "Recent Advances in the Theory of Quantum Integrable Systems", 11-14.9.2007, Annecy-le-Vieux, France.
 102. **Plenary** talk at the XVII Colloquium "Quantum Groups and Integrable Systems", Prague, 19-21.6.2008.
 103. **Lectures** at V School in Modern Mathematical Physics, Belgrade, Serbia, 6-17.7.2008.
 104. **Invited** talk at XXVII Intern. Colloquium on Group Theoretical Methods in Physics, Yerevan, 13-21.8.2008.
 105. **Plenary** talk at the XIII International Conference on Symmetry Methods in Physics, Dubna, 6-9.7.2009.
 106. **Invited** talk at the VI International Symposium "Quantum Theory and Symmetries", Lexington, 20-25.7.2009.
 107. **Invited** talk at international conference "The Interface of Integrability and Quantization", Leiden, 12-16.4.2010.
 108. **Invited** talk at international conference "Bifurcation theory, integrable systems, and the bispectral problem", Sofia, 15-19.5.2010.
 109. Talk at 4th International Workshop "Recent Advances in the Theory of Quantum Integrable Systems", 15-18.6.2010, Annecy-le-Vieux, France.
 110. Talk at Initial workshop of ESI Programme AdS Holography and the Quark-Gluon Plasma, 9-20 August 2010, ESI, Vienna.
 111. **Lecture** at VI School in Modern Mathematical Physics, Belgrade, Serbia, 14-23.9.2010.
 112. **Invited** talk at international conference in memory of acad. Matey Mateev, Sofia, 10-12.4.2011.
 113. **Invited** talk at 32nd International Conference on Quantum Probability and Related Topics, Levico (Trento), 29.5-4.6.2011.
 114. **Plenary** talk at the XV International Conference on Symmetry Methods in Physics, Dubna, 12-16.7.2011.
 115. **Plenary** talk at International Workshop 'Supersymmetries and Quantum Symmetries', Dubna, 18-23.7.2011.
 116. **Invited** talk at the VII International Symposium "Quantum Theory and Symmetries", Prague, 7-13.8.2011.
 117. **Plenary** talk at 20th Colloquium 'Integrable Systems and Quantum Symmetries', Prague, 17-23.6.2012.
 118. **Invited** talk at XXIX International Colloquium on Group-Theoretical Methods in Physics, Chern Institute of Mathematics, Nankai Univ., Tianjin, China, 20-26.8.2012.
 119. Talk at International conference "Recent Advances in Quantum Integrable Systems", RAQIS'12, Angers, France, 10-14.9.2012.
 120. **Lecture** at VII School in Modern Mathematical Physics, Belgrade, Serbia, 9-19.9.2012.
 121. **Lecture** at Third International School on Symmetry and Integrable Systems, Tsakhkadzor, Armenia, 3-7.7.2013.
 122. **Invited talk** at Humboldt Kolleg on Symmetry and Integrable Systems, Tsakhkadzor, Armenia, 9-13.7.2013.
 123. **Plenary** talk at International Workshop 'Supersymmetries and Quantum Symmetries', Dubna, 29.7-3.8.2013.
 124. **Invited** talk at the VIII International Symposium "Quantum Theory and Symmetries", Mexico-city, 5-9.8.2013.
 125. **Plenary** talk at 22th Colloquium 'Integrable Systems and Quantum Symmetries', Prague, 23-29.6.2014.
 126. **Invited talk** at Mini-Symposium "Algebraic Methods in Quantum Field Theory" within International Conference "Mathematics Days in Sofia", 7-10.7.2014.
 127. **Invited** talk at XXX International Colloquium on Group-Theoretical Methods in Physics, Ghent, Belgium, 14-18.7.2014.

128. **Lecture** at VIII School in Modern Mathematical Physics, Belgrade, Serbia, 24-31.8.2014.

129. **Plenary** talk at the XVI International Conference on Symmetry Methods in Physics, Dubna, 13-18.10.2014.

I have given talks and lectures during shorter visits at : Göttingen Univ. (May 1984), Max Planck Institute, Munich (July 1985), Service de Physique Théorique de Saclay (June 1988), Dijon Univ. (June 1988), Freiburg Univ. (October 1988), Karlsruhe Univ. (November 1988), Mannheim Univ. (November 1988), Penn. State Univ. (April 1990), Lawrence Berkeley Lab (May 1990), Genova Univ. (June 1990), Kaiserslautern Univ. (January & July 1991), Max Planck Institute, Munich (April 1991), Bonn Univ. (May 1991), Penn. State Univ. (May 1992), TU Clausthal (September 1992), Genova Univ. (June & November 1993, September & October 1995), Bonn Univ. (February 1994), Coimbra Univ. (October 1994), Florence Univ. (December 1995), Inst. Nuclear Research and Budapest Univ. (October 1996), Math. Dept., York Univ. (November 1997, March 1998), Inst. Elie Cartan, Math. Dept., Nancy Univ. (February 1998), Freiburg Univ. (January 1999), Madrid Autonom. Univ. (April 1999), Burgos Univ. (April 1999), Valladolid Univ. (April 1999), Göttingen Univ. (April 1999), Mittag-Leffler Inst. (May 1999), Clausthal (November 1999), Tianjin (May 2000), Xian (May 2000), CERN (June 2000), Sydney Univ. (Oct 2002), Adelaide Univ. Math. Dept. (Oct 2002). Adelaide Univ. Phys. Dept. (Oct 2002), Erwin Schrodinger Inst. Vienna (Nov 2002), Queen Mary College, London (Nov 2003), SISSA, Trieste (Nov 2004), Univ. Paris 7, Univ. Cergy-Pontoise (March 2007), Tokyo Univ. (April 2009), Osaka Univ. (April 2009), Osaka Prefecture Univ. (April 2009), Max Planck Institute, Munich (November 2010), Geneva Univ. (August 2011).

In 1986, 1987, 1990, 1992, 1996, 2007 at Sofia University I have given a semester course on Lie (super-) algebras and groups and their representations. During my 1988 visit at the ICTP I have given a 16 lectures course on Lie algebras and their representations. During my stay at the University of Göttingen I have given a series of lectures on Quantum groups at the Theoretical Physics seminar and the Relativistic Physics seminar of the University. During the same time I have given a semester course on Lie algebras and quantum groups at the nearby University of Hannover. In March-April 1992 I gave lectures on quantum groups at the ICTP, Trieste. In 1998-1999 I has given a two-semester course on “Lie Algebras and Quantum Groups” at the Technical University of Clausthal. I have a proposal from World Scientific to write Lecture notes on Lie algebras and their representations and a proposal from Kluwer Scientific Publishers to write a book on Quantum groups and their representations. In 2009 I gave lectures at Osaka Prefecture Univ.: one introductory lecture for freshmen, and three lectures for graduate students.

In 1982 I was Vice-Chairman (Scientific Programme) of the Conference on Differential Geometric Methods in Mathematical Physics, Varna. In 1984 I was Vice-Chairman (Scientific Programme) of the XIII Conference on Differential Geometric Methods in Theoretical Physics, Varna. In 1987 I was Vice-Chairman (Scientific Programme) of the XIV Colloquium on Group Theoretical Methods in Physics, Varna. In the organization of the II Wigner Symposium I was co-organizer (with Prof. Dr. H.-D. Doebner) of a Workshop on Quantum groups in the framework of the Symposium and I am co-editor (with H.-D. Doebner) of the Proceedings of this Workshop : *Quantum Symmetries*, (World Sci, 1993), 379 pages, (ISBN 981-02-1475-8). In November-December 1993 I was co-organizer of Seminar Weeks on Quantum Groups at TU Clausthal. Later I was co-editor (with H.-D. Doebner and A. Ushveridze) of the Proceedings of the 1993 Workshop *Generalized Symmetries*, (World Sci, 1994), 434 pages, (ISBN 981-02-1771-4). In 1994 I was co-organizer (with H.-D. Doebner and P. Nattermann (scientific secretary)) of the International Symposium *Nonlinear, Dissipative, Irreversible, Quantum Systems – Foundations, Examples and Experiments*, Clausthal, 15-19.8.1994, and I co-edited the Proceedings (with H.-D. Doebner and P. Nattermann), (World Sci, Singapore, 1995, ISBN 981-02-2266-1). In 1994 I was also co-organizer (with H.-D. Doebner, G. Rudolph and R. Matthes) of the International Workshop *Differential Geometry and Quantum Physics*, Kyffhäuser, 26-30.9.1994. In 1995 I was co-organizer (with H.-D. Doebner and J. Hilgert) of the International Workshop *Lie Theory and Its Applications in Physics*, Clausthal, 14-17.8.1995, and I co-edited the Proceedings (World Sci, Singapore, 1996, ISBN 981-02-2882-1). In the organization of the 21st International Colloquium on Group Theoretical Methods in Physics, Goslar, 15-20 July 1996, I was co-organizer (with Prof. Dr. H.-D. Doebner) of a Symposium on Quantum groups in the framework of the Colloquium and I am co-editor (with H.-D. Doebner) of the Proceedings of this Symposium (Heron Press, Sofia, 1997, ISBN 954-580-027-5). In August 1997 I was co-organizer (with H.-D. Doebner and J. Hilgert) of the II International Workshop *Lie Theory and Its Applications in Physics*, Clausthal, 17-20.8.1997, and I have co-edited the Proceedings (World Sci, Singapore,

1998, ISBN 981-02-3539-9). I was member of the Advisory Committee of the V Wigner Symposium, Vienna, 25-29.8.1997. In 1999 I was co-organizer (with H.-D. Doebner and J. Hilgert) of the III International Workshop "Lie Theory and Its Applications in Physics", Clausthal, 11-14.7.1999, and co-edited the Proceedings (World Sci, Singapore, 2000, ISBN 981-02-4421-5). In 1999 I was also co-organizer (with H.-D. Doebner, J. Hennig and W. Lücke) of the International Symposium "Quantum Theory and Symmetries", Goslar, 18-22.7.1999, and co-edited the Proceedings (World Sci, Singapore, 2000; ISBN 981-02-4237-9, resp.). In 1999 I was also member of the Organizing Committee of the VI Wigner Symposium, Istanbul, 16-22.8.1999. In the organization of the 23st International Colloquium on Group Theoretical Methods in Physics, Dubna, 31.7-5.8.2000 I was co-organizer of a Symposium on Quantum groups in the framework of the Colloquium and I am co-editor of the Proceedings: Physics of Atomic Nuclei, v.64, p.2059-2215, 2001. Group theoretical methods in physics (ICGTMP) [Proceedings] eds. V.K. Dobrev, A. Inomata, G.S. Pogosian & A.N. Sisakian. The IV International Workshop "Lie Theory and Its Applications in Physics" was held in the framework of the II International Symposium "Quantum Theory and Symmetries" (Cracow, July, 2001) and I was co-organizer of the Workshop (with H.-D. Doebner). The V International Workshop "Lie Theory and Its Applications in Physics" was organised in Varna, 16-22 June 2003, and I co-edited (with H.-D. Doebner) the Proceedings (World Sci, Singapore, 2004, ISBN 981-238-936-9). In 2005 I organized the 4-th International Symposium "Quantum Theory and Symmetries", Varna, 15-21.8.2005, incorporating the 6-th International Workshop "Lie Theory and Its Applications in Physics", and I edited the Proceedings: "Quantum Theory and Symmetries IV" Vol. 1 (Heron Press, Sofia, 2006, ISBN-10 954-580-194-8, ISBN-13 978-954-580-194-5) 496p. and Vol. 2 (Heron Press, Sofia, 2006, ISBN-10 954-580-195-6, ISBN-13 978-954-580-195-2) 470p. and "Lie Theory and Its Applications in Physics VI" (Heron Press, Sofia, 2006, ISBN-10 954-580-193-X, ISBN-13 978-954-580-193-8) 348p. (the last volume with H.-D. Doebner). In 2007 I organized the 7-th International Workshop "Lie Theory and Its Applications in Physics", Varna, 18-24.6.2007, and I edited (with H.-D. Doebner) the Proceedings: "Lie Theory and Its Applications in Physics VII" (Heron Press, Sofia, 2008, ISBN 978-954-580-240-9) 512p. In 2008 I organized the 4-th Workshop of the EU Research and Training Network "Constituents, Fundamental Forces and Symmetries of the Universe", Varna, 11-17.9.2008, and I am co-Editor (with Dieter Luest) of the Proceedings as issues No. 57 of Fortschr. Phys. **57** (2009). In 2009 I organized the Conference 'Algebraic Methods in Quantum Field Theory' (Sofia, Bulgaria, 15-16.5.2009) dedicated to the 75-year Jubilee of Prof. I.T. Todorov, and I edited (with M.D. Mateev) the Proceedings (as an issue of Bulg. J. Phys. (2009)). In 2009 I organized the 8-th International Workshop "Lie Theory and Its Applications in Physics", Varna, 15-21.6.2009, and I edited the Proceedings: American Institute of Physics Conference Proceedings (AIP-CP), No 1243, 2010 (ISBN 978-0-7354-0788-6). In 2011 I organized the 9-th International Workshop "Lie Theory and Its Applications in Physics", Varna, 20-26.6.2011, and I edited the Proceedings, "Springer Proceedings in Mathematics and Statistics" Vol. 36 (ISBN 978-4-431-54269-8), (February 2013). In 2013 I organized the 10-th International Workshop "Lie Theory and Its Applications in Physics", Varna, 17-23.6.2013, and I am editing the Proceedings, "Springer Proceedings in Mathematics and Statistics" Vol. 111 (ISBN 978-4431552840). In 2014 I organized Mini-Symposium "Algebraic Methods in Quantum Field Theory" within International Conference "Mathematics Days in Sofia", 7-10.7.2014, and I edited a Proceedings issue of Bulg. J. Phys. **41** (2014) number 2.

From 1996 I am member of the Standing Committee which supervises the International Colloquia on Group Theoretical Methods in Physics. From 2000 I am founding member of the Conference Board which supervises the International Symposia "Quantum Theory and Symmetries". From June 2014 I am Chairman of the Conference Board.

20.10.2014

List of the scientific publications of Vladimir K. Dobrev

1. V.K. Dobrev, One-graviton annihilation of electron-positron pair in external electromagnetic field, Vestnik Mosk. Gos. Univ. No 2 (1972) 184-189 (in Russian).
2. V.K. Dobrev, E.H. Hristova, V.B. Petkova and D.B. Stamenov, Symmetric part of the conformal covariant operator product expansion of two spin 1/2 fields, Talk by V.K.Dobrev at the X Winter School of Theoretical Physics (Karpacz, Poland, 1973); Acta Universitatis Wratislaviensis No 20 (1974) pp. 187-199.
3. V.K. Dobrev, E.H. Hristova, V.B. Petkova and D.B. Stamenov, Conformal covariant operator product expansion (OPE) of two spin 1/2 fields, Bulg. J. Phys. **1** (1974) 42-57.
4. V.K. Dobrev, G. Mack, V.B. Petkova, S.G. Petrova and I.T. Todorov, On Clebsch-Gordan expansion for $O^\uparrow(2h+1, 1)$, Communication JINR Dubna E2-7977 (1974).
5. V.K. Dobrev, V.B. Petkova, S.G. Petrova and I.T. Todorov, On the exceptional integer points in the representations space of the pseudo-orthogonal group $O^\uparrow(2h+1, 1)$, ICTP Trieste preprint IC/75/1 (1975).
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30.12.2014