

ALLEGATO B

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Codice concorso __3966__

Skrypnyk Taras CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Skrypnyk
Nome	Taras
Data Di Nascita	12 Maggio 1973

Academic degree	Habilitated Doctor of Science (Italian National Habilitation, March 2018, Sector 01/04 – Mathematical Physics)
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Personal web page at RG	https://www.researchgate.net/profile/T_Skrypnyk
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Work experience

• Dates (from – to)	01/04/2011-30/03/2019
• Name and address of employer	University of Studies of Milano-Bicocca, via Roberto Cozzi 53, 20125, Milan, Italy.
• Type of business or sector	Department of Mathematics and its Applications
• Occupation or position held	Research Assignment (assegno di ricerca)
• Main activities and responsibilities	research

• Dates (from – to)	18/12/2009-17/12/2010
• Name and address of employer	International School for Advanced Studies, via Bonomea 265, 34136, Trieste, Italy.
• Type of business or sector	Sector of Mathematical Physics
• Occupation or position held	Research Assignment (assegno di ricerca)
• Main activities and responsibilities	research

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• Dates (from – to)	18/12/2007-17/12/2009
• Name and address of employer	International School for Advanced Studies, via Bonomea 265, 34136, Trieste, Italy.
• Type of business or sector	Sector of Mathematical Physics
• Occupation or position held	Post-Doctoral Researcher (borsa post-doc)
• Main activities and responsibilities	research

• Dates (from – to)	01/01/1999 -17/12/2007
• Name and address of employer	Bogoliubov Insitute for Theoretical Physics, Metrologichna st, 14-b, 03680, Kiev, Ukraine.
• Type of business or sector	Department of Mathematical Methods in Theoretical Physics
• Occupation or position held	Junior Researcher
• Main activities and responsibilities	research

Education and training

• Dates (from – to)	15/11/1995-14/11/1998
• Name and type of organization providing education and training	Bogoliubov Insitute for Theoretical Physics, of the National Academy Of Sciences of Ukraine (post-graduate study)
• Principal subjects/occupational skills covered	Mathematical methods of theoretical physics, theory of Lie groups and Lie algebras,theory of classical and quantum integrable systems
• Title of qualification awarded	PhD in physical and mathematical sciences (June 27, 2000)

• Dates (from – to)	01/09/1990-31/06/1995
• Name and type of organization providing education and training	Taras Shevchenko Kiev National University, Faculty of Physics, (Graduate and undergraduate studies)
• Principal subjects/occupational skills covered	Theoretical and Mathematical Physics
• Title of qualification awarded	Master degree in Physics (June 20, 1995)

• Dates (from – to)	01/09/1980-31/06/1990
• Name and type of organization providing education and training	Specialized Lyceum N 145 with extensive Physics and Mathematics
• Principal subjects/occupational skills covered	(secondary education with emphasize on Physics and Mathematics)
• Title of qualification awarded	School-leaving certificate with honors (June 30, 1990)

Personal skills and Sccientific competencies	Theory of quantum integrable systems, theory of classical integrable systems, theory of soliton equations, finite-gap integration method, algebraic and nested algebraic Bethe ansatz methods, theory of quantum groups and reflection-equation algebras, theory of Lie group and Lie algebras, representation theory, geometric quantization, theory of separation of variables.
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Mother tongue	Ukrainian
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Other languages

	Russian
• Reading skills	excellent
• Writing skills	excellent
• Verbal skills	excellent

	English
• Reading skills	excellent
• Writing skills	excellent
• Verbal skills	excellent

	Italian
• Reading skills	excellent
• Writing skills	good
• Verbal skills	good

	French
• Reading skills	good
• Writing skills	intermediate
• Verbal skills	intermediate

Social skills and competencies <i>Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.</i>	<p>During the years of research I have collaborated and published several scientific papers with different co-authors: with my research advisor (P.Holod), my colleague (A. Boyarsky), my french research supervisor (V.Roubtov), and my italian research supervisors (B.Dubrovin and F.Magri). I have participated in works of three collective international grant-projects: CRDF grant N UP-1 309 (1997-1999), CRDF grant N UP-1 2115 (2000-2001), French-Ukrainian project "Dnipro" (2005-2006).</p>
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Organizational skills and competencies <i>Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.</i>	<p>During the years of research I have managed three individual research projects:</p> <ol style="list-style-type: none"> 1. George Soros Fellowship for post-graduate students (1997), 2. INTAS Young Scientist Fellowship03-55 (2003-2005), 3. CEI-CERES Research Fellowship (2009-2010).
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Technical skills and competencies <i>With computers, specific kinds of equipment, machinery, etc.</i>	<p>I have a necessary experience of work with computer and specialized programs used in the research (Tex, Maple etc)</p>
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Other skills and competencies <i>Competences not mentioned above.</i>	I have a teaching experience. I have delivered lecture courses for undergraduate students on the theory of integrable systems, theory of Lie algebras (at T.Shevchenko Kiev State University, Kiev, Ukraine), theory of Lie groups and theory of finite groups (at National Technical University "KPI" Kiev, Ukraine).
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Additional information	I am the author of 80 publications in the internationally recognized referred scientific journals such as: Letters in Mathematical Physics, Journal of Physics A, Journal of Mathematical Physics, Nuclear Physics B, Physica D, Journal of Geometry and Physics, Physics Letters A, Theoretical and Mathematical Physics etc
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Publication list

1. Boyarsky A., Skrypnyk T. "Singular orbits of an adjoint representation of the Lie groups $SO(n)$. *Uspekhi Mat. Nauk*, **51**, no. 3, 181--182, (1996).
2. Boyarsky A., Skrypnyk T. "Singular orbits of a coadjoint representation of Euclidean groups", *Uspekhi Mat. Nauk*, **55**, no. 3, 169--170 (2000).
3. Boyarsky A. M., Skrypnyk T. "Degenerate orbits of the adjoint representation of orthogonal and unitary groups as algebraic submanifolds", *Ukrain Mat. Zh*, **49**, no. 7, 895--905, (1997).
4. Skrypnyk T. V. "Coadjoint orbits of compact Lie groups and generalized stereographic projection", *Ukrain. Mat. Zh*, **51**, no. 12, 1714--1718, (1999).
5. Skrypnyk T. V. "Explicit realization of irreducible representations of classical compact Lie groups in spaces of sections of line bundles", *Ukrain. Mat. Zh.*, **50**, no. 10, 1316--1323, (1998).
6. Holod P., Skrypnyk T. "On geometric aspects of the representation theory of compact Lie groups", *Ukrain. Fiz. Zh.*, **43**, no. 6-7, 798--801, (1998).
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9. Skrypnyk, T. "On a new class of commutative subalgebras of the maximal Gelfand-Kirillov dimension in the universal enveloping algebra of a simple Lie algebra", *Methods Funct. Anal. Topology*, **5**, no. 3, 77--89, (1999).
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13. Holod P., Skrypnyk T. "Integrable evolutionary equations via Lie algebras on hyperelliptic curves", *NATO Science Series, II Mathematics, Physics and Chemistry*, **35**, 199- 211, (2001).
14. Skrypnyk T. "Quasi-graded Lie algebras on hyperelliptic curves and classical integrable systems", *Journal of*

Math. Phys., **42**, No 9, 4570-4581, (2001).

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16. Skrypnyk T. "Lie algebras on hyperelliptic curves and finite-dimensional integrable systems", *Yadernaya Physica*, **65**, No 6, 1141-1145, (2002).

17. Skrypnyk T. "Integrable hamiltonian systems via quasigraded Lie algebras", *Proceedings of the Institute of Mathematics of the National Academy of Sciences of Ukraine*, **32**, No 22, (2001).

18. Skrypnyk T. "Generalized Clebsh and Neuman integrable systems from the special quasigraded Lie algebras on the higher genus curves", *Ukr. Phys. Jour.*, **37**, No 3, 293-301, (2002).

19. Skrypnyk T. "Euler equations on the Lie algebras: new interpretation and isomorphism of the integrable cases", *Reports in Math. Phys.*, **50**, Issue 3, 299-305, (2002).

20. Skrypnyk T. "Quasigraded deformations of loop algebras, "deformed" Lax representation and classical integrable systems", *Czech J. Phys.*, **52**, No 11, 1283-1288, (2002).

21. Skrypnyk T. "Integrable spin generalization of the generalized Clebsh and Neuman integrable systems", *J. Phys. A*, **36**, -P. 4407-4416, (2003).

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23. Skrypnyk T. "Matrix generalization of Landau-Lifshitz equation", *Proceedings of the Institute of Mathematics of the National Academy of Sciences of Ukraine*, part 1, 462-469, (2004).

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57. Skrypnyk T. "Quasigraded bases in loop algebras and classical rational r-matrices", *J. Math. Phys.*, **53**, no. 8, 083501, (2012).

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61. Skrypnyk T. "The n-level, n-1-mode Jaynes-Cummings model: spectrum and eigenvectors." *J. Phys. A*, **46**, no. 5, 052001, (2013).

62. Skrypnyk T. "'Z2-graded" Gaudin models and analytical Bethe ansatz", *Nuclear Phys. B*, **870**, no. 3, 495–529 (2013).

63. Skrypnyk T. "Infinite-dimensional Lie algebras, classical r-matrices, and Lax operators: two approaches", *J. Math. Phys.*, **54**, no. 10, 103507, (2013).

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65. Skrypnyk T. "Generalized shift elements and classical r-matrices: construction and applications," *J. Geom. Phys.*, **80**, 71–87 (2014).

66. Skrypnyk T. "'Many-poled" r-matrix Lie algebras, Lax operators, and integrable systems", *J. Math. Phys.*, **55**, 083507 (2014).

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- parameters", *Journal of Geometry Physics*, **97**, no 11, 133 -- 155, (2015).
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72. Skrypnyk T. ``Reductions in finite-dimensional integrable systems and special points of classical r-matrices", *Journal of Mathematical Physics*, **57**, 123504 (2016).
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77. Skrypnyk T. ``Reductions in soliton hierarchies and special points of classical r-matrices", *Journal of Geometry and Physics*, **130**, 260-287 (2018).
78. Skrypnyk T. ``Separation of variables in the anisotropic Shottky-Frahm model", *Theoretical and Mathematical Physics*, **196**, 1359 - 1377, (2018).
79. Skrypnyk T., Dubrovin B. ``Separation of variables for linear Lax algebras and classical r-matrices ", *Journal of Mathematical Physics*, **59**, 091405 , (2018).
80. Skrypnyk T. ``Symmetric separation of variables for the Clebsch model ", *Journal of Geometry and Physics*, **135**, 204-218 (2019).

Data	15.02.2018	Luogo	Milano
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