

1. Accardi L., Lu Y.G., Volovich I.: Quantum Theory and Its Stochastic Limit, Springer, 1th edition XX (September 17, 2002)
<https://doi.org/10.1007/978-3-662-04929-7>
2. Accardi L., Lu Y.G.: The Wigner Semi-circle Law in Quantum Electro Dynamics, Comm. Math. Phys. 180 (1996) 605-632, (submitted: (November 1992)), Volterra preprint N. 126 (1992).
<https://doi.org/10.1007/BF02099625>
3. Accardi L., Lu Y. G., Volovich I.: The QED Hilbert module and interacting Fock spaces, IIAS Reports No.1997-008 (1997), International Institute for Advanced Studies, Kyoto.
4. Accardi L. and Bozejko M.: Interacting Fock space and Gaussianization of probability measures, IDA-QP (Infin. Dim. Anal. Quantum Probab. Rel. Topics) 1 (1998) 663-670, World Scientific.
<https://doi.org/10.1142/S0219025798000363>
5. Accardi L., Lu Y.G., Volovich I.V.: White noise approach to classical and quantum stochastic calculi, Lecture Notes given at the Volterra-CIRM International (1999), Volterra Preprint N. 375 July (1999), School with the same title, Trento, Italy.
6. Accardi L., Skeide M.: On the relation of the Square of White Noise and the Finite Difference Algebra, Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP) 3 (1) (2000) 185-189 Volterra Preprint N. 386 (1999)
<https://doi.org/10.1142/S021902570000011X>
7. Accardi L.: Quantum probability: an historical survey, Invited talk to the Annual meeting of the Japan Mathematical Society, Tokyo 26 March 1999; Japanese translation published by the Japan Mathematical Society, invited contribution in: "Probability on Algebraic Structures",
- G. Budzban, Ph. Feinsilver and A. Mukherjea (eds.), Contemporary Mathematics, American Mathematical Society 261 (2000) 145-159, Preprint Volterra N. 396 (1999)
8. Accardi L., Franz U., Skeide M.: Squared White Noise and other Non-Gaussian Noises as Levy Processes on Real Lie Algebras, Math. Phys. 228 (2002) 123-150 Preprint Volterra, N. 423 (2000)
<https://doi.org/10.1007/s002200200647>
9. Accardi L., Nhani M.: Interacting Fock Spaces and Orthogonal Polynomials in several variables, in: "Non-Commutativity, Infinite-Dimensionality and Probability at the Crossroad" N. Obata, A. Hora, T. Matsui (eds.), (2002) 192-205, Preprint Volterra, N. 523 (2002), World Scientific.
https://doi.org/10.1142/9789812705242_0005
10. Accardi L., Kuo H.H., and Stan A.: Probability measures and CAN operators, in: Proceedings of the 5th Tunisia-Japan Symposium on Culture, Science and Technology, May 24-26 (2004) 5-7, Sfax, Tunisia.
11. Accardi L., Kuo H.-H., and Stan A.: Characterization of probability measures through the canonically associated interacting Fock spaces, Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP) 7 (2004) 485-505, Preprint Volterra n. 570 (2004), World Scientific.
<https://doi.org/10.1142/S0219025704001736>

12. Accardi L., Kuo H.-H., and Stan A.: Probability measures in terms of creation, annihilation, and neutral operators, in: Quantum Probability and Infinite Dimensional Analysis, [QP-PQ XVIII]. From Foundations to Applications. M. Schürmann and U. Franz (eds.), (2005) 1-11, World Scientific.
https://doi.org/10.1142/9789812702104_0001
13. Accardi L., Crismale V., Lu Y.G.: Constructive universal central limit theorems based on interacting Fock spaces, *Infin. Dimens. Anal. Quantum Probab. Rel. Top. (IDAQP)* 8 (4) (2005) 632-650, Preprint Volterra n. 591 (2005), World Scientific.
<https://doi.org/10.1142/S021902570500213X>
14. Accardi L.: Classification of probability measures in terms of canonically associated commutation relations, The 5-th Nagoya Levy Seminar, December 15-17, (2006) Publications of Nagoya University (2007) 13-31, Meijo University.
15. Accardi L., Kuo H.-H., and Stan A.: Moments and commutators of probability measures, *Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP)* 10 (4) (2007) 591-612, World Scientific.
<https://doi.org/10.1142/S0219025707002841>
16. Accardi L., Kuo H.-H., and Stan A.: A combinatorial identity and its application to Gaussian measures, Proceedings of the 26th Conference in: Quantum probability and infinite dimensional analysis, QP-PQ: Quantum Prob. White Noise Analysis 20 (2007) 1-12, L. Accardi et al. (eds.), World Scientific.
https://doi.org/10.1142/9789812770271_0001
17. Accardi L., Kuo H.-H. and Stan A.: Interacting Fock space characterization of probability measures, *Communications on Stochastic Analysis* 3 (2009) 85-99.
<https://doi.org/10.31390/cosa.3.1.06>
18. Accardi L., Boukas A.: Fock representation of the renormalized higher powers of white noise and the Virasoro-Zamolodchikov- w -infty \mathfrak{L} -Lie algebra, *Journal of Physics A: Mathematical and Theoretical*, 41 (2008)-304001 1-12.
<https://doi.org/10.1088/1751-8113/41/30/304001>
19. Accardi L., Dhahri A. and Skeide M.: Extending the Set of Quadratic Exponential Vectors, Proceedings of the 29-th Conference on Quantum Probability and related topics, October 13-18 (2008) 262-266, Hammamet (Tunisia).
20. Accardi L., Dhahri A.: Quadratic exponential vectors, *J. Math. Phys.*, 50 (2009) 122103-1-19
<https://doi.org/10.1063/1.3266166>
21. Accardi L., Dhahri A.: The quadratic Fock functor, *J. Math. Phys.*, 51 (2010) 022113-1-17
<https://doi.org/10.1063/1.3294771>
22. Accardi L., Barhoumi A., Dhahri A.: Identification of the theory of orthogonal polynomials in d -indeterminates with the theory of 3-diagonal symmetric interacting Fock spaces on $\mathbb{C}d$, *Infin. Dimens. Anal. Quantum. Probab. Relat. Top.* 20 (1) (2017) 1750004-1-55, World Scientific.
<https://doi.org/10.1142/S0219025717500047>

23. Accardi L., Ouerdiane H. and Rebei H.: On the Quadratic Heisenberg Group, *Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP)* 13 (4) (2010) 551-587, World Scientific.
<https://doi.org/10.1142/S0219025710004231>
24. Accardi L.: Extensions of quantum theory canonically associated to classical probability measures, Proceedings of "Workshop on IDAQP and their Applications", 3 - 7 March 2014, Singapore White Noise Analysis and Quantum Information, eds. L. Accardi, L. Chen, T. Hida, SiSi, N. Watanabe, Lecture notes series, 34 (2017) 1-20, Institute for Mathematical Sciences, National University of Singapore.
https://doi.org/10.1142/9789813225466_0001
25. Accardi L., Barhoumi A., Lu Y. G., Rhaima M.: "-Lie algebras canonically associated to Probability Measures on \mathbb{R} with all moments, in: Proceedings of the XI International Workshop "Lie Theory and Its Applications in Physics", (Varna, Bulgaria, June 2015), Springer Proceedings in Mathematics and Statistics Vol. 191 (2016) 3-21, ed. V. Dobrev, Springer.
https://doi.org/10.1007/978-981-10-2636-2_1
26. Accardi L., Dhahri Ab. and Dhahri A.: Characterization of Product Probability Measures on \mathbb{R}^d in Terms of Their Orthogonal Polynomials, *Open Syst. Inf. Dyn.* 23 (04) (2016) 1650022-1-30, World Scientific (Singapore).
<https://doi.org/10.1142/S1230161216500220>
27. Accardi L., Barhoumi A. and Rhaima M.: Jacobi sequences of squares of random variables, *Stochastics. An International Journal of Probability and Stochastic Processes special issue: Hammamet Stochastic Analysis 2017*, 89 (6-7) (2017) 868-882, Hammamet.
<https://doi.org/10.1080/17442508.2016.1247161>
28. Accardi L., Barhoumi A. and Rhaima M.: An Information Complexity index for Probability Measures on \mathbb{R} with all moments, *Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDAQP)* 19 (03) (2016) 1650015-1-30, World Scientific (Singapore).
<https://doi.org/10.1142/S0219025716500156>
29. Accardi L., Dhahri Ab.: d-dimensional orthogonal polynomials: Commutator theorem and other results, *Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP)* 20 (2) (2017) 1750011-1-14, World Scientific (Singapore).
<https://doi.org/10.1142/S0219025717500114>
30. Accardi L., Barhoumi A., Rhaima M.: Jacobi sequences of powers of random variables, *Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP)* 21 (1) (2018) 1850001-1-22, World Scientific (Singapore).
<https://doi.org/10.1142/S0219025718500017>
31. Accardi L., Dahri A.: Orthogonal polynomial decomposition for random fields with all moments, *Milan Journal of Mathematics* 87 (2019) 21-56
<https://doi.org/10.1007/s00032-019-00291-6>
32. Accardi L., Lu Y.G.: The quantum moment problem for a classical random variable and a classification of interacting Fock spaces, submitted to *Journ. Op. Theory*, 27 2-2018, withdrawn on 2020 for lack of available referees.

33. Accardi L., Lu Y. G.: The qq-bit (I): Central limits with left q-Jordan-Wigner embeddings, monotone interacting Fock space, Azema random variable, probabilistic meaning of q, Infinite Dimensional Analysis, Quantum Probability and Related Topics. 21 (04) (2018) 1850030/ 1-25, World Scientific (Singapore).
<https://doi.org/10.1142/S0219025718500303>
34. Accardi L., Lu Y.G.: An Open Problem in Operator Theory, T. M. Rassias and V. A. Zagrebnoy (eds.), Analysis and Operator Theory, ser. Optimization and Its Applications 146 (2019), Springer.
35. Accardi L., Lu Y. G.: Notions of stochastic independence arising from interacting Fock spaces , 11 proceedings of the 27-th International Conference on Operator Theory (OT27) Timisoara, July 2-6, 2018 eds. Hari Bercovici, Dumitru Gaspar, Dan Timotin, and Florian-Horia Vasilescu Theta Foundation (distributed by AMS) (2020) <https://sites.google.com/view/ot27-qit/>
36. Accardi L., Ella A. E., Lu Y. G.: Characterization of product states on polynomial algebras in terms of scalar products of the associated n-particle vectors, Physics of Particles and Nuclei, 51 (4) (2020) 387-392, Pleiades Publishing.
<https://doi.org/10.1134/S1063779620040036>
37. Accardi L., Lu Y. G.: Quantum theories associated to increasing Hilbert space filtrations and generalized Jacobi 3-diagonal relation, submitted to JOSA (2020)
38. Accardi L., Boukas A., Lu Y. G.: The n-dimensional quadratic Heisenberg algebra as a non-commutative" $sl(2,C)$ submitted to IDA-QP (2020), World Scientific.
39. Accardi L., Lu Y. G., Hamdi T.: The quantum mechanics canonically associated to free probability, in preparation.
40. Anis B. G. and Vitonofrio C.: Independence arising from interacting Fock spaces and related quantum central limit theorems, Probab. Math. Statist., 29 (2) (2009) 251-269
41. Barhoumi A., Ouerdiane H. and Riahi A.: Pascal white noise calculus, Stochastics: An International Journal of Probability and Stochastic Processes, 81 (3-4) (2009) 323-343
<https://doi.org/10.1080/17442500902919603>
42. Da Pelo P., Lanconelli A., Stan A. I.: A Holder-Young-Lieb inequality for norms of Gaussian Wick products, Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP), 14 (3) (2011) 375-407, World Scientific.
<https://doi.org/10.1142/S0219025711004456>
43. Dhahri D.: Self-adjointness and boundedness in quadratic quantization, J. Math. Phys, 5 (2014) 052103
<https://doi.org/10.1063/1.4878497>
44. Dhahri A., Obata N. and Yoo H. J.: Multivariate orthogonal polynomials: quantum decomposition, deficiency rank and support of measure, Journal of Mathematical Analysis and Applications, 485 (2018) 123-775
<https://doi.org/10.1016/j.jmaa.2019.123775>

45. Gerhold M. and Skeide M.: Interacting Fock Spaces and sub-product systems, IDAQP, Vol. 23 No. 3 (2020), World Scientific.
<https://doi.org/10.1142/S0219025720500174>
46. Hamada H., Konno N. and Mlotkowski W.: Orthogonal Polynomials Induced by Discrete-Time Quantum Walks in One Dimension, Interdisciplinary Information Sciences 15(3) (2009) 367-375
<https://doi.org/10.4036/iis.2009.367>
47. Ko C. K., Segawa E. and Yoo H. J.: One-dimensional three-state quantum walks: weak limits and localization, Inf. Dim. Anal., Quant. Prob. Rel. Top. (IDAQP) 19 (4) (2016) 1650025 (20 pages), World Scientific.
<https://doi.org/10.1142/S0219025716500259>
48. Krystek A. and Wojakowski L.: Convolution and central limit theorem arising from addition of field operators in one mode type Interacting Fock Spaces, Inf. Dim. Anal., Quant. Prob. Rel. Top. (IDAQP) 8 (4) (2005) 651-657, World Scientific.
<https://doi.org/10.1142/S0219025705002128>
49. Lanconelli A., Stan A. I.: H[∞]-holder-type inequalities for norms of Wick products, Journal of Applied Mathematics and Stochastic Analysis, (2008) Article ID 254897, 22 pages.
<https://doi.org/10.1155/2008/254897>
50. Lanconelli A., Sportelli L.: A connection between the Poissonian Wick product and the discrete convolution, Communications on Stochastic Analysis, 5 (4) (2011) 689-699
<https://doi.org/10.31390/cosa.5.4.06>
51. Lanconelli A., Sportelli L.: Wick calculus for the square of a Gaussian random variable with application to Young and Hypercontractive inequalities, Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP), 15 (3) (2012) 1250018-1-16, World Scientific.
<https://doi.org/10.1142/S021902571250018X>
52. Lanconelli A., Stan A. I.: H[∞]-holder-type inequalities for norms of Wick products, Journal of Applied Mathematics and Stochastic Analysis, (2008) Article ID 254897, 22 pages
<https://doi.org/10.1155/2008/254897>
53. Lenczewski R.: Unification of independence in quantum probability, Inf. Dim. Anal. Quant. Probab. Rel. Top. (IDAQP) 1 (1998) 383-405, World Scientific.
<https://doi.org/10.1142/S021902579800020X>
54. Popa G., Stan A. I.: Gamma distributed random variables and their semi-quantum operators, submitted to JPCS as a proceeding for the conference "Integrable Systems and Quantum Symmetries", June 24-29 (2014), Prague.
<https://doi.org/10.1088/1742-6596/563/1/012029>
55. Rebei H.: On the one-mode quadratic Weyl operators, Journal of Mathematical Analysis and Applications, 439 (1) (2016) 135-153
<https://doi.org/10.1016/j.jmaa.2016.02.040>
56. Rebei H., Rguigui H., Rihai A. and Al-Hussain Z.A.: Identification of the one-mode quadratic Heisenberg group with the projective SU(1, 1) and holomorphic representation, To appear in

IDAQP, Vol. 23, No. 3 (2020), World Scientific.
<https://doi.org/10.1142/S021902572050023X>

57. Schurmann M.: White noise on bialgebras, Springer LNM 1544 (1993), Springer.
<https://doi.org/10.1007/BFb0089237>

58. Stan A.: Best constants in norms of Wick products, Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP), 9 (2) (2006) 169-185, World Scientific.
<https://doi.org/10.1142/S0219025706002299>

59. Stan A. I.: A characterization of probability measures in terms of Wick product inequalities, Infin. Dimens. Anal. Quantum Probab. Relat. Top. (IDA-QP), 11 (2) (2008) 377-391, World Scientific
<https://doi.org/10.1142/S0219025708003178>

60. Urbina-Romero W.: Gaussian Harmonic Analysis, Springer (2019)
<https://doi.org/10.1007/978-3-030-05597-4>