

CURRICULUM VITAE

MARIUS IOSIFESCU

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Date and Place of Birth: August 12, 1936, Pitești, Romania

Marital Status: Married, one son.

Education:

- June 1954- Graduated from College;
- July 1959- M.A. (Mathematics), Bucharest University;
- July 1963- Ph.D. (Probability), Bucharest University, Thesis: Chains with complete connections with an arbitrary set of states;
- December 1969. D.Sc.

Brief Chronology of Employment:

- 1959-1962- Consultant, Central Dept. of Statistics;
- 1961-1963- Assistant Professor, Mathematics Dept., Polytechnical Institute, Bucharest;
- 1963-1968- Research worker, Institute of Mathematics and Centre for Mathematical Statistics;
- 1968-1969- Head of underdepartment, Centre for Mathematical Statistics;
- 1969-1976- Head of Dept. of Probability and Statistics, Centre for Mathematical Statistics;
- 1976-1989- Head of Centre for Mathematical Statistics;
- April 1990-February 2002- Director of Centre for Mathematical Statistics (Romanian Academy);
- February 2002- Director of IMSAM.

Research interests: Probability, Stochastic Processes, and Real Analysis.

Publications: 136 research papers, and 16 books.

Distinctions:

- 1965 and 1972- Awarded prizes of the Romanian Academy for contributions to the theory of dependence with complete connections and theory of random processes modelling biological and medical phenomena;

- 1970- Elected a member of the International Statistical Institute;
- 1971- Elected an Overseas Fellow of Churchill College, Cambridge, England;
- 1975- Awarded the bronze medal of the Helsinki University;
- 1991- Elected a Corresponding Member of the Romanian Academy;
- 1993- Chevalier dans l'Ordre des Palmes Académiques;
- 2000- Elected a Full Member of the Romanian Academy;
- 2002- Elected vice-president of the Romanian Academy, re-elected May 2006.

Visiting Professorships:

- 1974, 1991, 1996 and 1998, Université René Descartes (Paris V);
- 1977/78, Mainz Universität;
- 1979/80, Frankfurt am Main Universität;
- 1981/82, Bonn Universität; 1991, Melbourne University;
- 1997, Université de Lille 1;
- 1998 and 1999, Université de Bordeaux 1;
- 2000 and 2001, TU Delft.

A member of:

- Bernoulli Society for Mathematical Statistics and Probability (since 1969- on the council 1975-1979);
- American Mathematical Society (since 1995);
- Société de Mathématiques Appliqués et Industrielles (since 2002).

Editorial activities:

- a member of the editorial boards of the international journals
 - Probability Theory and Related Fields (1972-1989);
 - Biostatistica (1989-1998);
 - Stochastic Processes and Their Applications (1989-1993);
 - Journal of Multivariate Analysis (1976-1992);
 - Mathematica (Cluj) (since 1992);
 - Journal of the European Mathematical Society (2004-2015);
- deputy editor of Revue Roumaine de Mathématiques Pures et Appliquées (since 1983);
- co-editor of the Proceedings of the Braşov Conference on Probability Theory (1971, 1974, 1977, 1982) and of the volume Studies in Probability and Related Topics: Studies in Honour of Octav Onicescu on His 90th Birthday (1983).

Ph.D. Supervising: 31 Ph.D. theses have been defended under my supervision since 1976.

Invited speaker at international scientific meetings in

- Budapest (1972),
- Vilnius (1973, 1977, 1981, 1985, 1989),
- Varna (Bulgaria) (1979 and 1993),
- Prague (1978,1986),
- Warsaw (1981, 1990),

- Bad Honnef (Germany) (1982),
- Salonika (1987),
- Olsztyn (Poland) (1988),
- Palermo (1988),
- Uppsala (1990, 2009),
- Blaubeuren (Germany) (1991),
- Amsterdam (1993),
- Paris (1994), Compiègne (1998),
- Graz (2009),
- and many others which I was unable to attend.

Short visits (2 up to 3 weeks) abroad under the exchange agreements of the Romanian Academy:

- former URSS (1964, 1970),
- former Czechoslovakia (1965, 1967), Poland (1966, 1975, 1976, 1983, 1990), Hungary (1972), France (1979, 2003), Austria (1983, 1986), Great Britain (1969, 1984), West Germany (1985), Sweden (1987, 1992, 1995, 2000, 2005).

Lectures delivered at the universities of:

- Moscow (1964),
- Warsaw (1966, 1976, 1990),
- Vilnius (1970),
- Vienna (1971),
- Oxford (1972, 1984),
- Sheffield (1972),
- Swansea (1972),
- Paris (V and VI)(1972, 1991, 1992, 1996),
- Paris (Orsay) (1991),
- London (1972, 1984),
- Cambridge (1972,1984),
- Rennes (1974),
- Braunschweig (1978),
- Duisburg (1978, 2000 – 2008),
- Paris (Institut de Statistique) (1979, 1980, 1982),
- Heidelberg (1978, 1985),
- Frankfurt am Main (1978, 1981, 1985),
- Bonn (1978, 1985),
- Düsseldorf (1980),
- München (1980),
- Mainz (1978, 1980, 1982, 1985, 1991, 2002),
- Eichstätt (1982),
- Salonika (1984, 1990),
- Manchester (1984),
- Trondheim (1987),
- Stockholm (1987, 1992, 1995, 2005),
- Göteborg (1987, 1992, 1995, 2005),

- Uppsala (1987, 1992, 1995, 2000, 2005),
- Linköping (1987, 1992),
- Florence (1988),
- Pisa (1988),
- Melbourne (1991),
- Sydney (1991),
- Canberra (1991),
- Clermont-Ferrand (1992),
- Nancy (1992),
- Lille (1993, 1996),
- Le Mans (1993),
- Delft (1994, 1995, 1998, 1999, 2000, 2001, 2002, 2004, 2007),
- Bordeaux (1996, 1999, 2001, 2004),
- Utrecht (2000).

List of publications

• Books

- (1) (With G. Ciucu & R. Theodorescu) Teoria jocurilor, 248 pp. Ed. Tehnică, București, 1965.
- (2) (With Gh. Mihoc & R.Theodorescu) Teoria probabilităților și statistică matematică, 484 pp. Ed. Tehnică, București, 1966.
- (3) (With Gh. Mihoc & V. Urseanu) Elemente de teorie a probabilităților și aplicațiile ei, 176 pp. Ed. Științifică, București.
- (4) (With P. Tautu) Procese stochastice și aplicații în biologie și medicină, 345 pp. Ed Acad. R.S.România, București, 1968.
- (5) (With R. Theodorescu) Random Processes and Learning, 313 pp. Grundlehren der math. Wissenschaften, Band 150. Springer-Verlag, Berlin-Heidelberg-New-York, 1969.
- (6) (With P. Tautu) Stochastic Processes and Applications in Biology and Medicine: I. Theory, 331 pp.; II. Models. 337 pp. Biomathematics, Vols.3 & 4. Ed Academiei & Springer, București-Berlin, 1973.
- (7) Lanțuri Markov finite și aplicații, 274 pp. Ed. Tehnica, București, 1977.
- (8) Finite Markov processes and their applications, 295 pp. Wiley & Ed. Tehnică, Chichester-București, 1980. (Polish translation: Skonczzone procesy Markova i ich zastosowania, 292 pp. PWN, Warszawa, 1988). Corrected republication Dover, 2007.
- (9) (With S. Grigorescu) Dependență cu legături complete și aplicații, 359 pp. Ed. Științifică și Enciclopedică, București, 1982.
- (10) (With S. Grigorescu, Gh. Opreșan & Gh. Popescu) Elemente de modelare stohastică, 371 pp. Ed. Tehnică, București, 1984.
- (11) (With C. Moineagu, V. Trebici & E. Ursianu) Mica enciclopedie de statistică, 611 pp. Ed. Științifică și Enciclopedică, București, 1985.

- (12) (With S. Grigorescu) Dependence with Complete Connections and its Applications, 302 pp. Cambridge Tracts in Mathematics, Vol. 96. Cambridge Univ. Press, Cambridge, 1990. Paperback corrected edition, Cambridge Univ. Press, 2009.
- (13) (With C. Kraaikamp) Metrical Theory of Continued Fractions, 400 pp. Mathematics and its Applications, Vol. 547. Kluwer, Dordrecht, 2002.
- (14) (With N. Limnios & Gh. Opreșan) Modeles stochastiques, 332 pp., Lavoisier, Paris 2007.
- (15) (With N. Limnios & Gh. Opreșan) Introduction to Stochastic Models, 371 pp. Wiley, London, 2010.
- (16) (With G.I. Sebe & D. Lascu) Metrical Theory of some Continued Fraction Expansions. 143 pp. Ed. Acad, Romane, București, 2011.

• Papers

- (1) Asupra unei teoreme a lui A. Marchaud. Com.Acad. RPR 6(1956), 1169-1171.
- (2) Asupra produsului a două derivate. Com. Acad. RPR 7(1957), 319-321.
- (3) Sur les fonctions continues dont les ensembles de niveau sont au plus dénombrables. Rev.Math.Pures Appl. 3(1958), 439-441.
- (4) Propriétés différentielles des fonctions jouissant de la propriété de Darboux. C.R.Acad.Sci.Paris 248(1959), 1918-1919.
- (5) Über die differentialen Eigenschaften der reellen Funktionen einer reellen Veränderlichen. Rev.Math.Pures Appl. 4(1959). 457-466. (Romanian version: Asupra proprietăților diferențiale ale funcțiilor reale de o variabilă reală. Stud.Cerc.Mat.Fil.Iași 11(1960), 53-62).
- (6) Über eine Erweiterung eines Satzes von S. Stoilow. Rev.Math.Pures Appl.4 (1959), 725-729.
- (7) Uslovia pri cotorih proizvedenie dvuh proizvodnih iavliaetsia proizvodnoi. Rev.Math.Pures Appl. 4 (1959), 641-649.
- (8) Teoria lui Cebîsev asupra integralelor binome. Gaz.Mat.Fiz.Ser. A 11 (64) (1959), 705-718.
- (9) Asupra comportării asimptotice a lanțurilor cu legături complete. Com. Acad. RPR 11(1961), 619-624.
- (10) (With R. Theodorescu) O necotorih lineinih tepah s polnîmi sviaziami. Rev.Math.Pures Appl. 6 (1961), 167-170.
- (11) (With R. Theodorescu) Asupra unor modele pentru învățare (I-IV). Com.Acad. RPR 11(1961) 627-630.
- (12) (With R. Theodorescu) Asupra unor modele pentru învățare (I-IV). Com.Acad. RPR 11(1961) 825-827.
- (13) (With R. Theodorescu) Asupra unor modele pentru învățare (I-IV). Com.Acad. RPR 11(1961) 915-919.
- (14) (With R. Theodorescu) Asupra unor modele pentru învățare (I-IV). Com.Acad. RPR 11(1961) 1151-1153.
- (15) (With R. Theodorescu) Asupra entropiei lanțurilor cu legături complete. Com.Acad. RPR 11(1961), 821-824.

- (16) (With R. Theodorescu & L. Todor) Metoda Onicescu de reducere a sistemelor de ecuații liniare. *Com.Acad. RPR* 11(1961), 513-518.
- (17) (With S. Marcus) Sur un problème de P. Scherk concernant la somme des carrés de deux dérivées. *Canad.Math.Bull.* 5(1962), 129-13.
- (18) (With R. Theodorescu) Lanțuri cu legături complete (I-III). *Com.Acad. RPR* 11(1961), 1451-1453. (English version: Chains with complete connections (I-III). In: *Selected Translations in Mathematical Statistics and Probability*, Vol.7, pp. 120-127. Amer.Math.Soc., Providence, RI, 1968)
- (19) (With R. Theodorescu) Lanțuri cu legături complete (I-III). *Com.Acad. RPR* 12(1962), 295-297. (English version: Chains with complete connections (I-III). In: *Selected Translations in Mathematical Statistics and Probability*, Vol.7, pp. 120-127. Amer.Math.Soc., Providence, RI, 1968)
- (20) (With R. Theodorescu) Lanțuri cu legături complete (I-III). *Com.Acad. RPR* 12(1962) 1103-1106. (English version: Chains with complete connections (I-III). In: *Selected Translations in Mathematical Statistics and Probability*, Vol.7, pp. 120-127. Amer.Math.Soc., Providence, RI, 1968).
- (21) (With R. Theodorescu) Asupra programării liniare stochastice. *Com. Acad. RPR* 12(1962), 299-302.
- (22) (With R. Theodorescu) Some remarks on certain models for learning. *Rev.Math.Pures Appl.* 7(1962), 425-437.
- (23) (With R. Theodorescu) Sur la programmation linéaire. *C.R.Acad.Sci. Paris* 256 (1963), 4831-4833 (Romanian version: Teoria jocurilor și programarea liniară. In: *Studii de Statistică*, 1962, pp. 75-76).
- (24) Modele de învățare cu mulțimi arbitrare de clase de răspunsuri și evenimente auxiliare (I-II). *Com.Acad. RPR* 13(1963), 529-532.
- (25) Modele de învățare cu mulțimi arbitrare de clase de răspunsuri și evenimente auxiliare (I-II). *Com.Acad. RPR* 13(1963), 533-534.
- (26) Lanțuri cu legături complete multiple cu o mulțime arbitrară de stări. *Com.Acad. RPR* 13 (1963), 575-578.
- (27) Proprietăți asimptotice ale lanțurilor cu legături complete cu o mulțime arbitrară de stări. *Com.Acad. RPR* 13(1963), 579-581.
- (28) Sluciaînîe sistemî s polnîmi sviaziami s proizvolnîm mnojestvom sostoianii. *Rev.Math.Pures Appl.* 8(1963), 611-645; 9(1964), 91-92.
- (29) Note sur les joueurs passifs dans un jeu à n personnes avec information complète. *Mathematica* 5(28)(1963), 195-198.
- (30) (With R. Theodorescu) Statistical decisions and linear programming. *C.R.Acad.Bulgare Sci.* 17(1964), 223-226,
- (31) (With R. Theodorescu) O svoistvah tepi s polnmi sviaziami. *Ukrainski Mat.J.* 16(1964), 93-99.
- (32) (With R. Theodorescu) On nonstationary chains with complete connections. *Bull.Soc.Math.Grece (N.S.)* 5(1964), 1-10.
- (33) Sur la loi forte des grands nombres pour les systèmes aléatoires homogènes à liaisons complètes à un ensemble quelconque d'états. *C.R.Acad. Sci.Paris* 258(1964), 4421-4423.
- (34) (With R. Theodorescu) On the Bush-Mosteller stochastic models for learning. *J.Math.Psychology* 2(1965), 196-203. (Romanian version:

- Asupra modelelor de învățare de tip Bush-Mosteller. *Lucrări științifice Inst.Politehnic Brașov* 7(1965), 25-33).
- (35) (With R. Theodorescu) Aspecte probabilistice și statistice în programarea liniară. In: *Studii de Statistică*, 1964, pp.85-86.
 - (36) (With R. Theodorescu) Asupra noțiunii matematice de selecție. *Revista de Statistică (Anexa la nr. 7/1964)*, pp. 42-44.
 - (37) Quelques propriétés asymptotiques des systèmes aléatoires homogènes à liaisons complètes. *Rev.Roumaine Math.Pures Appl.* 10(1965), 635-641.
 - (38) Sur les coefficients dits "d'ergodicité". *C.R.Acad.Sci.Paris* 260(1965), 5678-5680.
 - (39) Sampling entropy for random homogeneous systems with complete connections. *Ann.Math.Statist.* 36(1965), 1433-1436.
 - (40) Sur l'ergodicité uniforme des chaînes de Markoff variables et multiples. *C.R.Acad.Sci.Paris* 261(1965), 875-877.
 - (41) Sur l'ergodicité uniforme des systèmes aléatoires homogènes à liaisons complètes à un ensemble quelconque d'états. *Bull.Soc.Sci.Math.Phys. R.P. Roumaine* 7(55)(1963), 177-188.
 - (42) Systèmes aléatoires non-homogènes à liaisons complètes à un ensemble quelconque d'états. *Bull.Soc.Sci.Math.Phys. R.P.Roumaine* 9(57)(1965), 13-29.
 - (43) Quelques applications des coefficients d'indépendance. In: *Trans.Fourth Prague Conf. (Prague, 1965)*, pp. 323-332. *Academia, Prague, 1967.*
 - (44) Conditions nécessaires et suffisantes pour l'ergodicité uniforme des chaînes de Markov variables et multiples. *Rev.Roumaine Math.Pures Appl.* 11(1966), 325-330.
 - (45) (With R. Theodorescu) Linear programming under uncertainty. In: *Colloquium on applications of mathematics to economics (Budapest, 1963)*, pp. 133-139. *Akademiai Kiado, Budapest, 1965.*
 - (46) (With P.Mandl) Application des systèmes à liaisons complètes à un problème de réglage. *Rev.Roumaine Math. Pures Appl.* 11(1966), 533-539.
 - (47) On the uniform ergodicity of a class of nonhomogeneous random systems with complete connections. *Rev.Roumaine Math. Pures Appl.* 11(1966), 763-772.
 - (48) Some asymptotic properties of the associated system to a random system with complete connections. *Rev.Roumaine Math. Pures Appl.* 11(1966), 973-978.
 - (49) Un théorème d'existence pour les chaînes d'ordre infini. *Atti Acad.Naz. Lincei Rend.Cl.Sci.Fis.Mat.Natur.*(8) 40(1966), 211-214.
 - (50) La loi du logarithme itéré pour une classe de variables aléatoires dépendantes. *Teoria Verojatnost. Primenen.* 13(1968), 315-325. (*Addendum ibid.* 15(1970), 170-171).
 - (51) (With O. Onicescu) Câteva considerații asupra programării liniare stochastice. *Studii și cercetări de cibernetică economică* 6(1967), 69-72.
 - (52) Systèmes aléatoires à liaisons complètes à paramètre continu. *Rev. Roum. Math.Pures Appl.* 12(1967), 1289-1292.

- (53) Processus aléatoires à liaisons complètes discontinus. C.R.Acad.Sci.Paris 266(1968), A 1159-A 1161.
- (54) Un problème d'analyse sequentielle pour les systèmes aléatoires à liaisons complètes. Rev.Roumaine Math.Pures Appl. 14(1969), 649-652.
- (55) Sur les chaînes de Markov multiples. Bull.Inst.Internat.Statist. 43(2), (1969), 333-335.
- (56) (With P. Tautu) Bayesian inference in an archaeological problem. In: Mathematics in the Archaeological and Historical Sciences, pp. 83-85. Edinburgh Univ. Press, Edinburgh, 1971.
- (57) (With P. Tautu) Trei interpretări ale conceptului de probabilitate (I). Tribuna școlii 1(1971), no.16, p.5.
- (58) Matematica și psihologie. In: Cercetările multidisciplinare și interdisciplinare. Originea, dezvoltarea și perspectivele lor, pp. 409-412. Ed. Acad. R.S.Romania, București, 1972.
- (59) (With P. Tautu) Probabilitate și previziune. In : Cercetarea viitorului și planificarea pe termen lung, pp. 292-300. Centrul de informare și documentare în științele sociale și politice, București, 1972.
- (60) Solving the cubic equation. Eureka 35(1972), 42-44.
- (61) An extension of the renewal equation. Z.Wahrsch.Verw.Gebiete 23(1972), 148-152.
- (62) On two recent papers on ergodicity in nonhomogeneous Markov chains. Ann.Math.Statist. 43(1972), 1732-1736.
- (63) On multiple Markovian dependence. In: Proc. Fourth Conf. Probab. Theory (Brașov, 1971), pp. 65-71. Ed.Acad. R.S.Romania, București, 1973.
- (64) On Strassen's version of the loglog law for some classes of dependent random variables. Z.Wahrsch. Verw.Gebiete 24(1972), 155-158.
- (65) On finite tail-algebras. Z.Wahrsch. Verw.Gebiete 24(1972), 159-166.
- (66) (With A.Spătaru), On denumerable chains of infinite order. Z.Wahrsch. Verw.Gebiete 27(1973), 195-214.
- (67) On the application of random systems with complete connections to the theory of f-expansions. In : Progress in Statistics (European Meeting of Statisticians, Budapest, 1972), pp.335-363. North-Holland, Amsterdam, 1974.
- (68) Limit theorems for φ -mixing sequences : a survey. In : Proc. Fifth Conf. Probab. Theory (Brașov, 1974), pp.51-57. Ed.Acad.R.S.Romania, București, 1977.
- (69) On two remarkable examples of random systems with complete connections whose mappings are not distance diminishing. Rev.Roumaine Math.Pures Appl. 21(1976), 707-713.
- (70) A Poisson law for ψ -mixing sequences establishing the truth of a Doeblin's statement. Rev.Roumaine Math.Pures Appl. 22(1977), 1441-1447.
- (71) Recent advances in the metric theory of continued fractions. In: Trans. Eighth Prague Conf. (Prague,1978), Vol.A., pp. 27- 40. Reidel, Dordrecht, 1978.

- (72) The tail structure of nonhomogeneous finite state Markov chains: a survey. In: Probability Theory. Banach Center Publications, Vol. 5, pp. 125-132. PWN, Warszawa, 1979.
- (73) Notes on mathematical learning theory. In : Proc. Internat. Sympos. Appl. Math. System Theory (Brasov, 1978), II, pp. 167-172. Univ. Braşov, Braşov, 1979.
- (74) Recent advances in mixing sequences of random variables. In : Third Internat. Summer School Probab.Theory Math.Statist. (Varna, 1978), pp. 111-138. Publ. House Bulgar. Acad. Sci. Sofia, 1980.
- (75) (With O.Iordache) A discrete stochastic model with applications to mixing. In : Proc.Sixth Conf.Probab.Theory (Braşov, 1979), pp. 307-312. Ed. Acad. R.S.România, Bucureşti, 1981.
- (76) On the random Fermat's equation. An. Univ. Craiova Ser.Mat.Fiz.Chim. 10(1982), 61-65.
- (77) In memoriam. Gheorghe Mihoc, 1906–1981. Rev.Roumaine Math.Pures Appl. 27(1982), 1001-1002.
- (78) Notes on the general stochastic model for learning. In : Studies in Probability and Related Topics : Papers in Honour of Octav Onicescu on His 90th Birthday, pp.287-300. Nagard, Roma, 1983.
- (79) Asymptotic properties of learning models. In : Mathematical Learning Models Theory and Algorithms. Lecture Notes in Statist., Vol. 20, pp. 86-92. Springer, New-York, 1983.
- (80) On the random Riemann hypothesis. In : Proc. Seventh Conf. Probab. Theory (Brasov, 1982), pp. 435-450. Ed. Acad. R.S.România, Bucureşti, 1984.
- (81) Notes on dependence with complete connections. In : Sequential Methods in Statistics. Banach Center Publications, Vol.16, pp. 245-262, PWN, Warszawa, 1985.
- (82) Ergodic piecewise monotonic transformations and dependence with complete connections. In : Proc. Fourth Pannonian Sympos.Math.Statist. (Bad Tatzmannsdorf, 1983), Vol. A, pp.167-173. Reidel, Dordrecht, 1985.
- (83) f -expansions : a result and a query. Rev. Roumaine Math. Pures Appl. 30(1985), 749-750.
- (84) Teoria probabilităţilor. In : Matematica în lumea de azi şi de mâine, pp. 169-171. Ed.Acad.R.S. România, Bucureşti, 1985.
- (85) Obituary notice : Octav Onicescu, 1892–1983. Internat.Statist.Rev. 54(1986), 97-108.
- (86) A 80-a aniversare a naşterii lui Gheorghe Mihoc (1906–1981). Gaz. Mat.Perfectionare Metod.Metodol.Mat.Informat. 7(1986), 138-140.
- (87) From real analysis to probability : autobiographical notes. In : The Craft of Probabilistic Modelling, pp. 251-275. Springer, New York, 1986.
- (88) Mixing properties for f -expansion. In : Proc. Fourth Vilnius Conf. (Vilnius, 1985), Vol.II, pp. 1-8. VNU Science Press, Utrecht, 1987.
- (89) Mixing properties for f -expansions : the bounded p -variation case. In : Proc. Sixth Pannonian Sympos. Math. Statist. (Bad Tatzmannsdorf, 1986), Vol. A, pp.195-199. Reidel, Dordrecht, 1987.

- (90) O clasă de lanțuri Markov cu viteza de convergență optimală în teorema limită centrală. In : *Lucrările colocviului de teoria probabilităților și cercetare operațională* (Craiova, 1987), pp. 89-94. Univ. Craiova, 1987.
- (91) On invariant probability densities of piecewise monotonic transformations. In : *Trans.Tenth Prague Conf.* (Prague, 1986), pp. 41-54. Academia, Prague, 1988.
- (92) Dependence with complete connections : two applications to economics. In : *Atti del dodicesimo Convegno A.M.A.S.E.S.* (Palermo, 1988), pp.33-52. Pitagora Editrice, Bologna, 1989.
- (93) An anniversary : 25 years since the foundation of the Centre of Mathematical Statistics. *Stud.Cerc.Mat.* 41(1989), 443-444.
- (94) On mixing coefficients for the continued fraction expansion. *Stud.Cerc. Mat.* 41(1989), 491-499.
- (95) The metric theory of continued fractions : 50 years after Doeblin's 1940 paper. In : *Proc.Fifth Vilnius Conf.* (Vilnius, 1989), Vol.I, pp. 550-572.VSP, Utrecht & Mokslas, Vilnius, 1990.
- (96) On U -statistics and von Mises statistics for a special class of Markov chains. *J.Statist.Planning Inference* 30(1992), 395-400.
- (97) A coupling method in the theory of dependence with complete connections according to Doeblin. *Rev.Roumaine Math.Pures Appl.* 37 (1992), 59-66.
- (98) A very simple proof of a generalization of the Gauss-Kuzmin-Lévy theorem on continued fractions, and related questions. *Rev. Roumaine Math.Pures Appl.* 37(1992), 901-914.
- (99) A basic tool in mathematical chaos theory : Doeblin and Fortet' ergodic theorem and Ionescu Tulcea and Marinescu's generalization. In : *Doeblin and Modern Probability* (Blaubeuren, 1991). *Contemporary Mathematics*, Vol.149, pp.111-124. Amer.Math.Soc., Providence, RI, 1993.
- (100) (With S.Kalpazidou), The nearest integer continued fraction expansion: an approach in the spirit of Doeblin. In : *Doeblin and Modern Probability* (Blaubeuren, 1991). *Contemporary Mathematics*, Vol.149, pp. 125-137. Amer.Math.Soc., Providence, RI, 1993.
- (101) Doeblin and the metric theory of continued fractions: a functional theoretic solution to Gauss' 1812 problem. In : *Doeblin and Modern Probability* (Blaubeuren, 1991). *Contemporary Mathematics* Vol.149, pp. 97-110, Amer.Math.Soc., Providence, RI, 1993.
- (102) On the Gauss-Kuzmin-Lévy theorem, I. *Rev. Roumaine Math.Pures Appl.* 39(1994), 97-117.
- (103) On the Gauss-Kuzmin-Lévy theorem, II. *Rev. Roumaine Math.Pures Appl.* 40(1995), 91-105.
- (104) Smith-Wilkinson branching processes with random environment and dependence with complete connections. In : *Branching Processes, Proc. First World Congress* (Varna, Bulgaria, 1993), *Lecture Notes in Statist.*, Vol. 99, pp. 118-121. Springer, New York, 1995.
- (105) On some series involving sums of incomplete quotients of continued fractions. *Stud.Cerc.Mat.* 48(1996), 31-36. Corrigendum, *ibid.*48, 146.

- (106) In memoriam. Mihai Dragomirescu (1942–1994). *Stud. Cerc. Mat.* 48(1996), 409-410.
- (107) On the Gauss-Kuzmin-Lévy theorem, III. *Rev. Roumaine Math.Pures Appl.* 42(1997), 71-88.
- (108) A reversible random sequence arising in the metric theory of the continued fraction expansion. *Rev.Analyse Numérique Théorie Approx.* 26(1997), 91-93.
- (109) On a 1936 paper of Arnaud Denjoy on the metrical theory of the continued fraction expansion. *Rev. Roumaine Math. Pures Appl.* 44(1999), 781-796.
- (110) On a generalization of semi-Markov processes. In: J.Janssen and N. Limnios (Eds.) *Semi-Markov Models and Applications* (Compiègne, 1998), pp.23-32. Kluwer, Dordrecht, 1999.
- (111) An exact convergence rate result with application to Gauss' 1812 problem. *Proc.Romanian Acad.Ser. A*, 1(2000), 11-13.
- (112) (With J.-M. Deshouillers) Sommes de $s + 1$ pseudo-puissances s -ièmes. *Rev.Roumaine Math.Pures Appl.* 45(2000), 427-435.
- (113) Exact values of ψ -mixing coefficients of the sequences of incomplete quotients of the continued fraction expansion. *Proc. Romanian Acad. Ser. A*, 1 (2000), 67-69.
- (114) On the distribution of the continued fraction approximations: optimal rates. *Proc.Romanian Acad.Ser.A*, 1 (2000), 143-145.
- (115) Francophonie mathématique en Roumanie: lumières et ombres. *Gazette des Mathématiciens*, 2000, no.86, 60-63.
- (116) Octav Onicescu. In: C.C. Heyde and E. Senata (Eds.), *Statisticians of the Centuries*, pp. 415-419. Springer-Verlag, New York, 2001.
- (117) Sur l'accueil des étudiants roumains dans les ENS. *Gazette des Mathématiciens*, 2002, no.92, 80.
- (118) (With C. Kraaikamp) On Denjoy's canonical continued fraction expansion. *Osaka J.Math.* 40 (2003), 235-244.
- (119) A simple proof of a basic theorem on iterated random functions. *Proc. Romanian Acad.Ser.A*, 4 (2003), 167-174.
- (120) (With U. Herkenrath and A. Rudolph) A note on invariance principles for iterated random functions. *J.Appl.Probab.* 40 (2003), 834-837.
- (121) (With U. Herkenrath and A. Rudolph) Random systems with complete connections and iterated function systems. *Math.Reports* 5(55) (2003), 127-140.
- (122) (With C. Kraaikamp) A three-dimensional probability distribution in the metrical theory of continued fractions. *J.European Math.Soc.* 6 (2004), 181-192.
- (123) (With U. Herkenrath) On positive Harris recurrence for a class of Markov chains. *Math.Reports* 7(57)(2005), 305-313.
- (124) (With C. Kraaikamp) A rough guide to the Metrical Theory of Continued Fractions. To appear in *Nieuw Arch. Wiskunde*.
- (125) (With G.I. Sebe) An exact convergence rate in a Gauss-Kuzmin-Levy problem for some continued fraction expansion. In: C.P.Niculescu and V.D. Rădulescu (Eds.), *Mathematical Analysis and Applications* (Proc.

- Internat.Conf.Craiova, Romania, September 23-24, 2005), pp. 90-109. AIP Conf.Proc. 835 Amer.Inst.Physics, Melville, NY, 2006.
- (126) (With U. Herkenrath) On a contractibility condition for iterated random functions. *Rev.Roumaine Math.Pures Appl.* 52 (2007), 563-572.
- (127) (With C. Kraaikamp) A rough guide to the Metrical Theory of Continued Fractions. In : *Proc. 6th Congress of Romanian Mathematicians* (Bucharest, 2007), pp. 467 - 475. Publishing House of the Romanian Academy, Bucharest, 2008.
- (128) (With C. Kraaikamp) Metrical properties of Denjoy canonical continued fraction expansion. *Tokyo J.Math.* 31(2008), 495-510.
- (129) (With G.I. Sebe) On the metrical theory of a peculiar continued fraction expansion. *Rev.Roumaine Math.Pures Appl.* 53 (2008), 465-477.
- (130) Iterated function systems. A critical survey. *Math.Reports (Bucur.)* 11(61) (2009), 181-229.
- (131) A new limit theorem for the continued fraction expansion. In: *Dependence in Probability, Analysis and Number Theory Walter Philipp Memorial Volume*, pp. 247-252. Kendrick Press, Heber City, UT, 2010.
- (132) (With U. Herkenrath and A. Rudolph) Linear autoregressive models. *Math.Reports* 12(62)(2010), 245 - 259.
- (133) (With G.I. Sebe) On Gauss problem for the Lueroth expansion. *Indag. Mathematicae* 24 (2013), 382 - 390.
- (134) Spectral analysis for Gauss problem on continued fractions. *Indag. Mathematicae* 25 (2014), 825 - 831.
- (135) Comments on "Sur des chaînes a liaisons completes". In *W. Doeblin, Oeuvres Completes—Collected Papers*. Springer, to appear.
- (136) Comments on "Remarques sur la theorie metrique des fractions continues". In *W. Doeblin, Oeuvres Completes—Collected Papers*. Springer, to appear.

Editor's Note. The readers may find more details about the scientific activity of Acad. Marius Iosifescu in the above listed paper [87]. The most significant contributions are included in the books [12] and [13].



Acad. Marius Iosifescu