

October 25, 2013

CURRICULUM VITAE

1 PERSONAL DATA

Name : Ioan TOMESCU

Birth Date : November 5, 1942

Place of Birth : Ploiești, Romania

Nationality : Romanian

Sex : Male

Family Status : Widower from December 2012 (has been married Marioara Tomescu). Two children: Mihaela and Alexandru-Ioan

Residence : Sos. Colentina nr. 4, Sc. B, ap. 64, 021173 Bucharest, Romania

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2 UNIVERSITY EDUCATION

1969-1971: Graduate Studies in Computer Science and Mathematics,

Faculty of Mathematics, Bucharest University, Romania

Degree: Ph. D. in Computer Science (1971)

Ph. D. Thesis: Combinatorial Methods in Automata Theory

Supervisor: Acad. Prof. Gr. C. Moisil

1960-1965: Undergraduate Studies in Computer Science and Mathematics,

Faculty of Mathematics, Bucharest University, Romania

Degrees: B. A. in Computer Science and Mathematics [with Honors](1965)

Computer Science Thesis: Analysis and Synthesis of Contact Multipoles

3 POSITIONS HELD

3.1 Academic Positions

1. Professor, Department of Computer Science, Faculty of Mathematics, Bucharest University, Romania, from October 1990 to November 2011.
2. Visiting Professor, Abdus Salam School of Mathematical Sciences, Government College University, Lahore, Pakistan, from November 2005 on.
3. Visiting Senior Research Fellow, School of Computing, National University of Singapore, August-September, 2002.
4. Visiting Professor, Department of Computer Science, Auckland University, New Zealand, from February 1995 to June 1995.
5. Senior Lecturer, Department of Computer Science, Bucharest University, Romania, from February 1972 to October 1990.
6. Visiting Professor, Department of Applied Mathematics, The University of Tirana, Albania, from March 1974 to June 1974.
7. Assistant Professor, Department of Computer Science, Bucharest University, Romania, from October 1968 to February 1972.
8. Associate Assistant Professor, Department of Computer Science, Bucharest University, Romania, from December 1965 to October 1968.

3.2 Research Positions

1. Mathematics Researcher, Department of Mathematics, INCREST, Bucharest, Romania, from February 1983 to June 1983.

3.3 Other Positions

1. Head of the Computer Science Department, Faculty of Mathematics, Bucharest University, 1990-2007.
2. Scientific Secretary, Faculty of Mathematics, Bucharest University, from 1984 to 1990.
3. Member, Appointment and Promotion Committee, Faculty of Mathematics, Bucharest University, Romania, from 1990 on.
4. Member, Committee on Mathematics Education, Faculty of Mathematics, Bucharest University, Romania, from 1990 on.
5. Member, Computer Science Ph. D. Committee, Faculty of Mathematics, Bucharest University, Romania, from 1990 on.
6. Member, Graduation Executive Committee, Faculty of Mathematics, Bucharest University, Romania, from 1975 on.

7. Leader of the Romanian team for the International Mathematical Olympiad from 1983 to 1986 and from 1990 to 1994.
8. Leader of the Romanian team for the Balkan Mathematical Olympiad from 1990 to 1994.
9. Chairman, Committee on Mathematics Education in Schools, Ministry of Education, Bucharest, Romania, from 1983 to 1994.
10. Chairman, Jury of the Balkan Mathematical Olympiad, Bacău, Romania, 1996.
11. Chief coordinator, The 40th International Mathematical Olympiad, Bucharest, Romania, 1999.
12. Vice-President, Romanian Mathematical Society, 1996-1999 and 2001-2008.
13. Honorary President, Romanian Mathematical Society, from 2008 on.
14. Secretary of the Exact Sciences Commission, National Council for Accreditation, 1994-2005.
15. Member, Commission of Mathematics and Exact Sciences, National Council for Scientific Research in Universities, 2003-2005.
16. Member, National Appointment and Promotion Committee, Ministry of Education, from 1996 to 2006.

4 LANGUAGES

Primary : English, French, Romanian

Secondary : Russian

5 COURSES TAUGHT

1969-2009: Department of Computer Science, Bucharest University, Bucharest, Romania

Undergraduate Courses

Data Structures and Algorithms (1975-1992; 1994-1995 and from 1996 on)

Introduction to Programming (1972-1974)

Numerical and Nonnumerical Algorithms (1971-1975)

Linear Programming (1972)

Numerical Techniques in Computer Science (1971-1972)

Graduate Courses

Combinatorics and Graph Theory (from 1969 on)

Graph Theory with Applications (from 1990 on)

Automata Theory (1970-1971)

Numerical and Nonnumerical Programming Techniques (International Graduate UNESCO Courses, 1978-1982)

Graphs and Operations Research (International Graduate
UNESCO Courses, 1978-1982)

- 1995: Department of Computer Science, Auckland University, New Zealand
Graduate Course
Data Structures
- 1974: Department of Applied Mathematics, The University of Tirana, Albania
Undergraduate Course
Sorting and Searching
Graduate Course
Applications of Graph Theory to Operations Research

6 PUBLICATIONS

6.1 Full Papers in Refereed Journals

1. I. Tomescu, S. Kanwal [TK14], Unicyclic graphs of given girth $k \geq 4$ having smallest general sum-connectivity index, *Discrete Appl. Math.*, (2013), <http://dx.doi.org/10.1016/j.dam.2013.09.019>.
2. S. Javed, I. Tomescu [JT13], Chromatically equivalent k -bridge hypergraphs, *Mathematical Reports*, 3, 15(65)(2013), 281-285.
3. I. Tomescu, S. Kanwal [TK13], Ordering trees having small general sum-connectivity index, *MATCH Communications in Mathematical and in Computer Chemistry*, 3, 69(2013), 535-548.
4. I. Tomescu, A. A. Bhatti [TB12], On the cyclomatic number of linear hypergraphs, *Ars Combinatoria*, 106(2012), 527-533.
5. M. T. Rahim, I. Tomescu [RT12], Multi-level distance labelings for helm graphs, *Ars Combinatoria*, 104(2012), 513-523.
6. I. Tomescu [To12a], Some results on chromaticity of quasi-linear paths and cycles, *Electron. J. Combin.*, 2(19)(2012), Research Paper P23, 8 p.
7. I. Tomescu [To12b], On the connected partition dimension of a wheel related graph, M. J. Dinneen et al. (Eds.): *Computation, physics and beyond. Int. workshop on theoretical computer science, WTCS 2012 (Calude Festschrift)*, LNCS 7160, Springer (2012), 417-424.
8. I. Tomescu, S. Kanwal [TK12], Ordering connected graphs having small degree distances. II, *MATCH Communications in Mathematical and in Computer Chemistry*, 2, 67(2012), 425-437.
9. A. Ahmad, I. Tomescu [AT11], On vertex-magic total labeling of some families of rotationally-symmetric graphs, *Utilitas Mathematica*, 3, 86(2011), 347-357.
10. I. Tomescu, M. Imran [TI11], Metric dimension and R -sets of connected graphs, *Graphs and Combinatorics*, 27(2011), 585-591.

11. A. A. G. Ngurah, E. T. Baskoro, I. Tomescu [NBT11], Magic graphs with pendant edges, *Ars Combinatoria*, 99(2011), 149-160.
12. I. Kousar, I. Tomescu, S. M. Husnine [KTH10], Graphs with same diameter and metric dimension, *Journal of Prime Research in Mathematics*, 6(2010), 22-31.
13. I. Tomescu[To10], Ordering connected graphs having small degree distances, *Discrete Applied Mathematics*, 158(2010), 1714-1717.
14. R. Marinescu-Ghemeci, I. Tomescu[M-GT10], On star partition dimension of the generalized gear graph, *Bull. Math. Soc. Sci. Math. Roumanie*, 53(101), no. 3(2010), 261-268.
15. I. Tomescu, S. A. Bokhary[TB10], Series-parallel chromatic hypergraphs, *Discrete Applied Mathematics*, 158(2010), 198-203.
16. I. Tomescu, R. Marinescu-Ghemeci, G. Mihai[TM-GM09], On dense graphs having minimum Randić index, *Romanian Journal of Information Science and Technology*, 4(12)(2009), 455-465.
17. I. Tomescu, S. A. Bokhary[TB09], Some properties of chromatic coefficients of linear uniform hypergraphs, *Graphs and Combinatorics*, vol. 25, 4(2009), 639-646.
18. I. Tomescu, M. Imran[TI09], On metric and partition dimensions of some infinite regular graphs, *Bull. Math. Soc. Sci. Math. Roumanie*, 52(100), no. 4(2009), 461-472.
19. L. P. Dinu, I. Tomescu[DT09], From rankings' collinearity to counting SDR's via chromatic list expression, *International Journal of Computer Mathematics*, vol. 86, 9(2009), 1483-1489.
20. S. A. Bokhary, I. Tomescu, A. A. Bhatti[BTB09], On the chromaticity of multi-bridge hypergraphs, *Graphs and Combinatorics*, vol. 25, 2(2009), 145-152.
21. I. Tomescu[To09], Properties of connected graphs having minimum degree distance, *Discrete Mathematics*, vol. 309, 9(2009), 2745-2748.
22. K. Ali, E. T. Baskoro, I. Tomescu[ABT09], On the Ramsey number for paths and beaded wheels, *J. of Prime Research in Mathematics*, 5(2009), 187-193.
23. I. Tomescu[To08a], Discrepancies between metric dimension and partition dimension of a connected graph, *Discrete Mathematics*, vol. 308, 22(2008), 5026-5031.
24. I. Tomescu[To08b], Threshold properties of some periodic factors of words over a finite alphabet, *Journal of Automata, Languages and Combinatorics*, vol. 13(2008), 2, 145-156.

25. K. Ali, E. T. Baskoro, I. Tomescu[ABT08], On the Ramsey numbers for paths and generalized Jahangir graphs $J_{s,m}$, *Bull. Math. Soc. Sci. Math. Roumanie*, Tome 51(99), 3(2008), 177-182.
26. Surahmat, E. T. Baskoro, I. Tomescu[SBT08], The Ramsey numbers of large cycles versus odd wheels, *Graphs and Combinatorics*, vol. 24, 1(2008), 53-58.
27. I. Tomescu[To07a], On the number of words containing the factor $(aba)^k$, *Discrete Applied Mathematics*, vol. 155, 11(2007), 1506-1511.
28. I. Tomescu[To07b], On the chromaticity of sunflower hypergraphs $SH(n, p, h)$, *Discrete Mathematics*, vol. 307, 6(2007), 781-786.
29. M. T. Rahim, I. Tomescu, Slamir[RTS07], On vertex-magic total labeling of some wheel related graphs, *Utilitas Mathematica*, 73(2007), 97-104.
30. I. Tomescu, I. Javaid, Slamir[TJS07], On the partition dimension and connected partition dimensions of wheels, *Ars Combinatoria*, 84(2007), 311-317.
31. I. Tomescu, I. Javaid[TJ07], On the metric dimension of the Jahangir graph, *Bull. Math. SSMR*, 50(98), 4(2007), 371-376.
32. I. Tomescu[To06a], On the ratio between partition dimension and metric dimension of a connected graph, *An. Univ. București, Mat.-Inf.*, XLV(2006), 3-10.
33. Surahmat, E. T. Baskoro, I. Tomescu[SBTo06]. The Ramsey numbers of large cycles versus wheels, *Discrete Mathematics*, vol. 306, 24(2006), 3334-3337.
34. I. Tomescu[To06b]. A characterization of the words occurring as factors in a minimum number of words, *Theoretical Computer Science*, 352, 1-3(2006), 329-331.
35. I. Tomescu[To05a]. Extremal and asymptotic properties of irreducible coverings of graphs by cliques, *Journal of Prime Research in Mathematics*, vol. 1, no. 1(2005), 101-110.
36. I. Tomescu[To05b]. Almost all graphs and h -hypergraphs have small diameter, *Australasian Journal of Combinatorics*, vol. 31(2005), 313-323.
37. I. Tomescu[To05c]. Asymptotic properties of the factors of words over a finite alphabet, *Fundamenta Informaticae*, 64, 1-4(2005), 463-470.
38. I. Tomescu[To04a]. Sunflower hypergraphs are chromatically unique, *Discrete Mathematics*, 285(2004), 355-357.
39. I. Tomescu[To03a]. On the number of occurrences of all short factors in almost all words, *Theoretical Computer Science*, 290(2003), 2031-2035.
40. I. Tomescu[To03b]. Maximal σ -polynomials of connected 3-chromatic graphs, *J. Graph Theory*, 43(2003), 210-222.

41. I. Tomescu[To02a]. On the chromatic coefficients of graphs with dense neighborhoods, *Math. Reports*, 4(54), 3(2002), 295-299.
42. I. Tomescu[To02b]. On the number of h -connected graphs with a fixed diameter, *Discrete Mathematics*, 252(2002), 279-285.
43. I. Tomescu[To02c]. On the maximum number of irreducible coverings of an n -vertex graph by $n - 3$ cliques, *Computing and Combinatorics*, Proceedings, 8th Annual Int. Conf., COCOON 2002, Singapore, August 2002, Oscar H. Ibarra, Louxin Zhang (Eds.), LNCS 2387, Springer (2002), 544-553.
44. I. Tomescu[To02d]. Irreducible coverings by cliques and Sperner's theorem, *Electronic Journal of Combinatorics*, Vol. 9(1)(2002), paper N11 (4 pag.).
45. D. Andrica, I. Tomescu[AnTo02]. On an integer sequence related to a product of trigonometric functions, and its combinatorial relevance, *Journal of Integer Sequences*, Vol. 5(2002), article 02.2.4 (8 pag.).
46. I. Tomescu[To01a]. On the number of graphs and digraphs with a fixed diameter and connectivity, *Combinatorics, Computability and Logic*, Proceedings of the Third International Conference on Combinatorics, Computability and Logic (DMTCS'01), Springer-Verlag, 2001, 33-46.
47. I. Tomescu[To01b]. A cascade version of Dantzig's inductive algorithm for matrices over semilattice-ordered semigroups, *Multiple Valued Logic* 6, 1-2(2001), 217-228.
48. I. Tomescu[To01c]. On the number of graphs and h -hypergraphs with bounded diameter, *Discrete Mathematics* 235(2001), 291-299.
49. I. Tomescu[To01d]. The number of h -strongly connected digraphs with small diameter, *Australasian Journal of Combinatorics* 24(2001), 305-311.
50. I. Tomescu[To01e]. Extremal properties of the chromatic polynomials of connected 3-chromatic graphs, *Matematicki Vesnik*, 53, 3-4(2001), 111-116.
51. I. Tomescu[To00a]. On the number of large h -hypergraphs with a fixed diameter, *Discrete Mathematics* 223(2000), 287-297.
52. I. Tomescu[To99a]. Some extremal properties of the degree distance of a graph, *Discrete Applied Mathematics* 98(1999), 159-163.
53. I. Tomescu[To98a]. On words containing all short subwords, *Theoretical Computer Science* 197(1998), 235-240.
54. I. Tomescu[To98b]. A threshold property concerning words containing all short factors, *Bulletin of the EATCS* no.64(1998), 166-170.
55. I. Tomescu[To98c]. Chromatic coefficients of linear uniform hypergraphs, *Journal of Combinatorial Theory Series B*, Vol. 72, No. 2(1998), 229-235.

56. C. S. Calude, I. Tomescu[CaTo97]. Optimum extendible prefix codes, *Journal of Universal Computer Science* Vol. 3 No. 11(1997), 1167-1179.
57. I. Tomescu[To97a]. Maximum chromatic polynomial of 3-chromatic blocks, *Discrete Mathematics* 172(1997), 131-139.
58. I. Tomescu[To97b]. Optimum Huffman forests, *Journal of Universal Computer Science* Vol. 3 No. 7(1997), 813-820.
59. I. Tomescu[To97c]. On the number of trees having k edges in common with a graph of bounded degree, *Discrete Mathematics* 169(1997), 283-286.
60. I. Tomescu[To96a]. On the asymptotic average length of a maximum common subsequence for words over a finite alphabet, *Theoretical Computer Science* 164(1996), 277-285.
61. I. Tomescu[To96b]. An asymptotic formula for the number of graphs having small diameter, *Discrete Mathematics* 156(1996), 219-228.
62. I. Tomescu[To96c]. The number of digraphs with small diameter, *Australasian J. Combinatorics* 14(1996), 221-227.
63. D. Popescu, I. Tomescu[PoTo96a]. Negative cycles in complete signed graphs, *Discrete Applied Mathematics* 68(1996), 145-152.
64. D. Popescu, I. Tomescu[PoTo96b]. Bonferroni inequalities and negative cycles in large complete signed graphs, *Europ. J. Combinatorics* 17(1996), 479-483.
65. I. Tomescu[To96d]. On the number of irreducible coverings by edges of complete bipartite graphs, *Discrete Mathematics* 150(1996), 453-456.
66. I. Tomescu[To94a]. Maximum chromatic polynomials of 2-connected graphs, *J. Graph Theory* 4, 18(1994), 329-336.
67. I. Tomescu[To94b]. On the sum of all distances in chromatic blocks, *J. Graph Theory* 1, 18(1994), 83-102.
68. I. Tomescu[To94c]. On the number of subtrees for almost all graphs, *Random Structures and Algorithms* 1, 5(1994), 205-213.
69. I. Tomescu, M. Zimand[ToZi94]. Minimum spanning hypertrees, *Discrete Applied Mathematics* 54(1994), 67-76.
70. I. Tomescu[To94d]. On the number of graphs having small diameter, *Rev. Roumaine Math. Pures Appl.* 2, 39(1994), 171-177.
71. I. Tomescu[To92a]. Ordered h -hypertrees, *Discrete Mathematics* 105(1992), 241-248.
72. I. Tomescu[To90a]. On the number of colorings of p -connected hypergraphs, *An. Univ. București, Mat.-Inf.* 3, 39-40(1990-1991), 98-101.

73. I. Tomescu[To90b]. Almost all digraphs have a kernel, *Discrete Mathematics* 84(1990), 181-192; reprinted in: *Random Graphs '87*, Ed. by M. Karoński, J. Jaworski and A. Ruciński, J. Wiley, 1990, 325-340.
74. I. Tomescu[To90c]. Maximal chromatic polynomials of connected planar graphs, *J. Graph Theory* 1, 14(1990), 101-110.
75. I. Tomescu, R. A. Melter[ToMe89]. On distances in chromatic graphs, *Quart. J. Math. Oxford* (2) 40(1989), 475-480.
76. I. Tomescu[To89a]. Decomposition theorems for the number of perfect matchings in hexagonal graphs, *Rostock. Math. Kolloq.* 38(1989), 15-24.
77. I. Tomescu, A. T. Balaban[ToBa89]. Decomposition theorems for calculating the number of Kekulé structures in coronoids fused via perinaphthyl units, *Comm. Math. Chem. (MATCH)* 24(1989), 289-309.
78. A. T. Balaban, I. Tomescu[BaTo89]. Alternating 6-cycles in perfect matchings of graphs representing condensed benzenoid hydrocarbons, *Discrete Appl. Math.* 19(1988), 5-16; reprinted in: *Applications of graphs in physics and chemistry*, North-Holland, 1989.
79. I. Tomescu[To87a]. On 3-colorings of bipartite p -threshold graphs, *J. Graph Theory* 3, 11(1987), 327-338.
80. C. Artemi, A. T. Balaban, I. Tomescu[ArBaTo87]. Algebraic expressions for Kekulé structure counts of non-branched regularly cata-condensed benzenoid hydrocarbons, *Comm. Math. Chem. (MATCH)* 22(1987), 77-100.
81. I. Tomescu[To87b]. Graphical Eulerian numbers and chromatic generating functions, *Discrete Mathematics* 66(1987), 315-318.
82. I. Tomescu[To86a]. Hypertrees and Bonferroni inequalities, *J. Combinatorial Theory* 2, B41(1986), 209-217.
83. I. Tomescu[To86b]. The number of paths and circuits for almost all complete digraphs, *An. Univ. București, Mat.* 35(1986), 72-78.
84. I. Tomescu[To86c]. On hypergraph colourings, *Quart. J. Math. Oxford*(2) 37(1986), 239-243.
85. I. Tomescu[To86d]. On the number of paths and cycles for almost all graphs and digraphs, *Combinatorica* 1, 6(1986), 73-79.
86. A. T. Balaban, I. Tomescu[BaTo85]. Chemical graphs. XLI. Numbers of conjugated circuits and Kekulé structures for zigzag catafusenes and (j, k) -hexes; Generalized Fibonacci numbers, *Comm. Math. Chem. (MATCH)* 17(1985), 91-120.
87. A. T. Balaban, I. Tomescu[BaTo84]. Chemical graphs. XL. Three relations between the Fibonacci sequence and the numbers of Kekulé structures for non-branched cata-condensed polycyclic aromatic hydrocarbons, *Croatica Chemica Acta*, 3, 57(1984), 391-404.

88. I. Tomescu[To84a]. A Hamiltonian connectivity property of regular graphs with forbidden subgraphs, *Quart. J. Math. Oxford(2)* 35(1984), 507-512.
89. I. Tomescu[To84b]. A Hamiltonian property of regular graphs, *Rev. Roumaine Math. Pures Appl.* 6, 29(1984), 499-505.
90. I. Tomescu[To84c]. Colorings and irreducible coverings by cliques of graphs and hypergraphs, *An. Univ. Galați Metal.* 2(7), 2(1984), 15-20.
91. R. A. Melter, I. Tomescu[MeTo84a]. On the Boolean metric dimension of a graph, *Rev. Roumaine Math. Pures Appl.* 5, 29(1984), 407-415.
92. F. Harary, R. A. Melter, I. Tomescu[HaMeTo84]. Digital metrics: A graph-theoretical approach, *Pattern Recognition Letters* 2(1984), 159-163.
93. R. A. Melter, I. Tomescu[MeTo84b]. Metric bases in digital geometry, *Computer Vision, Graphics, and Image Processing* 25(1984), 113-121.
94. I. Tomescu[To83a]. On Hamiltonian-connected regular graphs, *J. Graph Theory* 7(1983), 429-436.
95. I. Tomescu[To83b]. An upper bound for the shortest Hamiltonian path in the symmetric Euclidean case, *RAIRO Rech. Opérat.* 3, 17(1983), 297-306.
96. A. T. Balaban, I. Tomescu[BaTo83]. Algebraic expressions for the number of Kekulé structures of isoarithmic cata-condensed benzenoid polycyclic hydrocarbons, *Comm. Math. Chem. (MATCH)* 14(1983), 155-182.
97. R. A. Melter, I. Tomescu[MeTo83]. Path generated digital metrics, *Pattern Recogn. Lett.* 1(1983), 151-154.
98. F. Harary, R. A. Melter, U. N. Peled, I. Tomescu[HaMePeTo82]. Boolean distance for graphs, *Discrete Mathematics* 39(1982), 123-127.
99. R. A. Melter, I. Tomescu[MeTo81]. Isometric embeddability for graphs, *Ars Combinatoria* 12(1981), 111-115.
100. I. Tomescu[To81a]. On the chromatic number of almost all graphs, *Bull. Math. Soc. Sci. Math. Roumanie(N. S.)* 25(73)(1981), 321-323.
101. I. Tomescu[To81b]. The maximum number of cliques and of coverings by cliques of complete chromatic hypergraphs, *Discrete Mathematics* 37(1981), 263-277. (in French)
102. R. A. Melter, I. Tomescu[MeTo81]. Remarks on distances in graphs, *An. Stiin. Univ. "Alex. I. Cuza", Iași, Sect. I Mat.* 2, 27(1981), 407-410.
103. I. Tomescu[To81c]. Asymptotic estimations of the number of cliques of uniform hypergraphs, *Calcolo* 1, 18(1981), 1-17. (in French)
104. I. Tomescu[To81d]. On the number of connected h -hypergraphs, *Rev. Roumaine Math. Pures Appl.* 2, 26(1981), 331-337.

105. I. Tomescu[To80a]. Almost all graphs are h -connected, *Rev. Roumaine Math. Pures Appl.* 7, 25(1980), 1125-1130. (in French)
106. I. Tomescu[To80b]. Some properties of irreducible coverings by cliques of complete multipartite graphs, *J. Combinatorial Theory* 2, B28(1980), 127-141.
107. I. Tomescu[To79a]. The maximum number of edge-colorings of a graph, *Rev. Roumaine Math. Pures Appl.* 5, 24(1979), 811-816. (in French)
108. I. Tomescu[To79b]. On a Zarankiewicz's theorem, *St. Cerc. Mat.* 3, 31(1979), 353-358. (in Romanian)
109. I. Tomescu[To79c]. The minimum number of colorings of a k -chromatic hypergraph, *Discrete Mathematics* 2, 25(1979), 179-188. (in French)
110. I. Tomescu[To78a]. On the cycles in k -chromatic graphs and hypergraphs, *Calcolo* 1, 15(1978), 1-15. (in French)
111. I. Tomescu[To78b]. A general formula for the asymptotic number of labeled connected graphs and digraphs, *Rev. Roumaine Math. Pures Appl.* 4, 23(1978), 617-623.
112. I. Tomescu[To77a]. On the longest cycles in chromatic graphs, *Bull. Math. Soc. Sci. Math. Roumanie (N. S.)* 3-4, 21(69)(1977), 433-439. (in French)
113. I. Tomescu[To76a]. Some extremal properties of uniform hypergraphs, *St. Cerc. Mat.* 5, 28(1976), 625-632. (in Romanian)
114. I. Tomescu[To76b]. On the number of negative cycles of a complete signed graph, *Math. Sci. Humaines* 14, 53(1976), 63-67. (in French)
115. I. Tomescu[To76c]. The maximum number of colorings of a Hamiltonian graph, *Discrete Mathematics* 16(1976), 353-359. (in French)
116. I. Tomescu[To75a]. An algorithm for determining a Hamiltonian path by using the minimum spanning tree of a graph, *RAIRO Rech. Opérat.* V3, 9(1975), 5-12. (in French)
117. I. Tomescu[To74a]. The minimum reduction of a graph to a union of cliques, *Discrete Mathematics* 10(1974), 173-179. (in French)
118. I. Tomescu[To74b]. A combinatorial algorithm for solving the permanent-type problems, *Calcolo* 3, 11(1974), 329-339. (in French)
119. I. Tomescu[To73a]. Inequalities concerning uniform hypergraphs, *Cah. Centre Et. Rech. Opérat.* 3, 15(1973), 355-362. (in French)
120. I. Tomescu[To73b]. Note on a characterisation of graphs having a maximum imbalance degree, *Math. Sci. Humaines* 42(1973), 37-40. (in French)
121. I. Tomescu[To73c]. A combinatorial algorithm for solving covering problems, *IEEE Trans. Computers* 2, C-22(1973), 218-220.

122. I. Tomescu[To72a]. The number of labeled k -cyclic connected graphs, *Calcolo* 1-2, 9(1972), 71-74. (in French)
123. I. Tomescu[To72b]. A matrix method for determining all pairs of compatible states of a sequential machine, *IEEE Trans. Computers* 5, C-21(1972), 502-503.
124. I. Tomescu[To72c]. The maximum number of 3-colorings of a connected graph, *Discrete Mathematics* 1, 4(1972), 351-356. (in French)
125. I. Tomescu[To72d]. A characterisation of minimum k -chromatic graphs without isolated vertices, *RAIRO R1*, 6(1972), 88-91. (in French)
126. I. Tomescu[To72e]. A method for minimizing the number of states for a restricted class of incompletely specified sequential machines, *Math. Systems Theory* 1, 6(1972), 1-2.
127. I. Tomescu[To72f]. Ordered algebraic structures in the theory of graphs, *St. Cerc. Mat.* 3, 24(1972), 469-476. (in Romanian)
128. I. Tomescu[To72g]. The minimum number of graph colorings, *C. R. Acad. Sci. Paris Ser. I Math.* 274(1972), 539-542. (in French)
129. I. Tomescu[To71a]. The maximum number of graph colorings, *C. R. Acad. Sci. Paris Ser. I Math.* 272(1971), 1301-1303. (in French)
130. I. Tomescu[To71b]. On the number of maximal cliques of a graph and some problems about perfect graphs, *Rev. Roumaine Math. Pures Appl.* 7, 16(1971), 1115-1126. (in French)
131. I. Tomescu[To71c]. An inequality for the point-arboricity of a graph, *An. Stiin. Univ. "Alex. I. Cuza", Iasi, Sect. I Mat. (N. S.)* 2, 17(1971), 287-289.
132. I. Tomescu[To71d]. The number of subarborescences of a given arborescence, *An. Univ. Bucuresti, Mat.* 1, 20(1971), 141-145. (in French)
133. I. Tomescu[To71e]. The number of labeled connected k -chromatic graphs having a minimum number of edges, *C. R. Acad. Sci. Paris Ser. I Math.* 273(1971), 1124-1126. (in French)
134. I. Tomescu[To70a]. A method for determining the transitive closure of a finite graph. II. The solution of the problem in two steps, *An. Stiin. Univ. "Alex. I. Cuza", Iasi, Sect. I Mat. (N. S.)* 1, 16(1970), 199-203. (in French)
135. I. Tomescu[To70b]. A proof of Dilworth theorem and its application to a problem of graph covering, *Calcolo* 3-4, 7(1970), 289-294. (in French)
136. I. Tomescu[To70c]. A modified matrix algorithm for determining the complete connection matrix of a switching network, *IEEE Trans. Computers* 1, C19(1970), 78-79.

137. I. Tomescu[To69a]. An evaluation of the chromatic number of a finite graph, *Studia Sci. Math. Hung.* 3-4(1969), 55-58. (in French)
138. I. Tomescu[To69b]. On the minimum tests for symmetric Boolean functions, *Calcolo* 1, 6(1969), 59-68. (in French)
139. I. Tomescu[To69c]. An algorithm for the synthesis of Boolean symmetric functions, *St. Cerc. Mat.* 4, 21(1969), 675-681. (in Romanian)
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141. I. Tomescu[To69e]. Recent researches in the theory of Boolean matrices, *St. Cercet. Calc. Econ. Ciber. Econ. (Bucharest)* 1(1969), 23-33. (in Romanian)
142. I. Tomescu[To68a]. An equivalence theorem of $(1-k)$ multipoles, *An. Univ. București, Mat.* 1, 17(1968), 105-107. (in Romanian)
143. I. Tomescu[To68b]. Vertex elimination theorems in the network theory, *An. Stiin. Univ. "Al. I. Cuza", Iași, Sect. I Mat. (N. S.)* 2, 14(1968), 467-472. (in French)
144. I. Tomescu[To68c]. A method of analysis of contact multipoles, *Bull. Math. Soc. Sci. Math. Roumanie (N. S.)* 2, 12(60)(1968), 153-157. (in French)
145. I. Tomescu[To68d]. On B. Roy's matrix algorithm, *RAIRO* 7(1968), 87-91. (in French)
146. I. Tomescu[To68e]. On the problem of coloring the generalized graphs, *C. R. Acad. Sci. Paris Ser. I Math.* 267(1968), 250-252. (in French)
147. I. Tomescu[To68f]. On the problem of synthesis of Mealy sequential automata, *St. Cerc. Mat.* 5, 20(1968), 763-770. (in Romanian)
148. I. Tomescu[To68g]. On the synthesis of Boolean functions by disjunctive networks, *St. Cerc. Mat.* 2, 20(1968), 267-282. (in Romanian)
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150. I. Tomescu[To67b]. A method for finding the transitive closure of a finite graph, *RFIRO* 4(1967), 33-37. (in French)
151. I. Tomescu[To67c]. On a problem concerning partitions having a minimum number of classes, *C. R. Acad. Sci. Paris Ser. I Math.* 265(1967), 645-648. (in French)
152. I. Tomescu[To67d]. On some combinatorial problems in the classification theory, *St. Cerc. Mat.* 9, 19(1967), 1385-1393. (in Romanian)
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155. I. Tomescu[To66a]. On the matrix methods in network theory, *C. R. Acad. Sci. Paris Ser. I Math.* 263(1966), 826-829. (in French)
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158. I. Tomescu[To65a]. A method for determining the conductibilities of a multipole, *St. Cerc. Mat.* 17(1965), 1109-1115. (in Romanian)

6.2 Full papers in refereed proceedings or collections

1. I. Tomescu[To01]. On the number of graphs and digraphs with a fixed diameter and connectivity, *Combinatorics, Computability and Logic*, Proceedings of the Third International Conference on Combinatorics, Computability and Logic (DMTCS'01), Springer-Verlag, London, 2001, 33-46.
2. I. Tomescu[To89b]. Some extremal results concerning the number of graph and hypergraph colorings, *Combinatorics and Graph Theory*, Banach Center Publ. , 25, PWN Pol. Sci. Publ. , Warsaw, 1989, 187-194.
3. I. Tomescu[To85a]. On the number of trees having k edges in common with a caterpillar of moderate degrees, *Ann. Discrete Mathematics* 28(1985), 305-310.
4. I. Tomescu[To85b]. New results in combinatorics and graph theory, C. Iacob (ed.). *Mathematics, Today and Tomorrow*, Ed. Academiei, Bucharest, 1985, 2550-260. (in Romanian) [invited paper]
5. R. A. Melter, I. Tomescu[MeTo84c]. The graphs which correspond to pathgenerated digital metrics, *Proc. WG'84* (Intern. Workshop on Graph-theoretic Concepts in Comp. Sci. , June 13-15, 1984, Berlin), Universitätsverlag Rudolf Trauner, Linz, 278-288.
6. I. Tomescu[To81e]. Asymptotic estimations for the number of cliques of uniform hypergraphs, *Studies on graphs and discrete programming* (P. Hansen, ed.), *Annals of Discrete Mathematics*, 11(1981), 345-358.
7. I. Tomescu[To74c]. Extremal problems concerning the number of vertex colorings of a finite graph, B. Roy(ed.). *Combinatorial Programming: Methods and Applications*, Proc. NATO Adv. Study Inst. Versailles, Sept. 2-13, 1974, D. Reidel, Dordrecht-Boston, 1975, 327-336. [invited paper] (in French)
8. I. Tomescu[To71f]. A method for minimizing the number of states for a restricted class of incompletely specified sequential machines, *Proc. Int. Seminar Appl. Aspects Automata Theory*, Varna(Bulgaria), 1971, 90-117.

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6.3 Lecture Notes for Student Use

1. I. Tomescu. *Data Structures*, Bucharest University Press, Bucharest, 1997, 2004, 2008, 206pp.
2. I. Tomescu. *Combinatorics and Graph Theory*, Bucharest University, Bucharest, 1978, 267pp. (in Romanian)
3. I. Tomescu. *Graphs and Operations Research*, Bucharest University, Bucharest, 1978, 56pp.
4. I. Tomescu. *Applications of Graph Theory to Operations Research*, University of Tirana, Albania, 1974, 273pp. (in Albanian)

6.4 Textbooks

1. D. M. Băținețu-Giurgiu, Maria Băținețu-Giurgiu, V. Ghiorghiță, I. V. Maftai, A. Semenescu, I. Tomescu, Florica Vornicescu, *National Mathematical Olympiads for secondary schools 1954-2003*, Ed. Enciclopedică, Bucharest, 2004, 569pp. (in Romanian)
2. M. Becheanu, B. Enescu, I. Tomescu, A. Vernescu, *Mathematics. Textbook for 10th class, M1 profile*, Ed. Teora, Bucharest, 2000, 344pp. (in Romanian)
3. M. Becheanu, B. Enescu, I. Tomescu, A. Vernescu, *Mathematics. Textbook for 10th class, M2 profile*, Ed. Teora, Bucharest, 2000, 248 pp. (in Romanian)
4. I. Tomescu. *Introduction to Computer Science*, Ed. didactică și pedagogică, Bucharest, 1994, 96pp. (in Romanian)
5. D. M. Băținețu-Giurgiu, V. Ghiorghiță, I. V. Maftai, I. Tomescu, Florica Vornicescu, *Problems proposed at the Mathematical Olympiads of secondary schools in Romania(1950-1990)*, Ed. științifică, Bucharest, 1992, 583pp. (in Romanian)
6. I. Tomescu. *What is Graph Theory?*, Ed. științifică și enciclopedică, Bucharest, 1982, 148pp. (in Romanian)
7. I. Tomescu. *Problems in Combinatorics and Graph Theory*, Ed. didactică și pedagogică, Bucharest, 1981, 270pp. (in Romanian);English version published by John Wiley in Wiley-Interscience Series in Discrete Mathematics, New York, 1985, 335pp.
8. A. Leu, I. Tomescu. *Mathematics applied to computational techniques*, Ed. didactică și pedagogică, Bucharest, 1980, 132pp. (in Romanian)

9. I. Tomescu. *Graph Theory*, C. Iacob(ed.). Classical and Modern Mathematics, Vol. I, Ed. tehnică, Bucharest, 1978, 193-308. (in Romanian)
10. I. Tomescu. *Combinatorics and Graph Theory*, N. Teodorescu(ed.). Problems in Applied Mathematics, Soc. St. Mat. Rom. , Bucharest, 1976, 11-65. (in Romanian)
11. I. Tomescu. *Graphs and Linear Programming (An Elementary Introduction)*, Ed. didactică și pedagogică, Bucharest, 1975, 132pp. (in Romanian)

6.5 Monographs

1. I. Tomescu. *Introduction to Combinatorics*, Ed. tehnică, Bucharest, 1972, 250pp. (in Romanian); English version published by Colette's, London and Wellingborough, 1975, 249pp.; Hungarian version published by Műszaki Könyvkiado, Budapest, 1978, 270pp.

6.6 Proceedings Editor

1. C. Calude, I. Tomescu(eds.). *Scientific Papers Published by the Mathematics Faculty Staff*, Bucharest University, 1988, 474pp. (in Romanian)

6.7 Other Contributions

1. I. Tomescu. The 11th Balkan Mathematical Olympiad, *Gazeta Matematică* 99(1994), 244-248. (in Romanian)
2. M. Becheanu, I. Tomescu. The 34th International Mathematical Olympiad, *Gazeta Matematică* 98(1993), 285-296. (in Romanian)
3. I. Tomescu. The 10th Balkan Mathematical Olympiad, *Gazeta Matematică* 98(1993), 158-161. (in Romanian)
4. M. Becheanu, I. Tomescu. The 33rd International Mathematical Olympiad, *Gazeta Matematică* 97(1992), 299-307. (in Romanian)
5. M. Becheanu, I. Tomescu. The 9th Balkan Mathematical Olympiad, *Gazeta Matematică* 97(1992), 235-238. (in Romanian)
6. M. Becheanu, I. Tomescu. The 32nd International Mathematical Olympiad, *Gazeta Matematică* 97(1992), 3-13. (in Romanian)
7. M. Becheanu, I. Tomescu. The 31st International Mathematical Olympiad, *Gazeta Matematică* 96(1991), 41-53. (in Romanian)
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9. I. Tomescu. An application of Eulerian cycles in graphs to solving a problem proposed at IMO 1988, *Gazeta Matematică* 94(1989), 203-205. (in Romanian)

10. I. Tomescu. Problems proposed at the competition during the national winter school of mathematics 1987, *Gazeta Matematică* 92(1987), 142-143. (in Romanian)
11. I. Tomescu. On the chromatic uniqueness of some classes of graphs, *Gazeta Matematică (PMMMI)* 3(1987), 142-143.
12. I. Tomescu. The 27th International Mathematical Olympiad, *Gazeta Matematică* 92(1987), 97-105. (in Romanian)
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14. I. Tomescu. On a diofantine equation, *Gazeta Matematică* 90(1985), 237-238. (in Romanian)
15. I. Tomescu. The 24th International Mathematical Olympiad, *Gazeta Matematică* 89(1984), 5-13. (in Romanian)
16. I. Tomescu. A problem of Ramsey type in the plane, *Revista Matematică Timișoara* 14(1983), 3-6. (in Romanian)
17. I. Tomescu. A problem of geometric probability in the space, *Gazeta Matematică* 87(1982), 50-53. (in Romanian)
18. I. Tomescu. Teaching the notion of flow in a network, *Gazeta Matematică (PMMMI)* 1(1980), 6-11;2(1980), 51-57. (in Romanian)
19. I. Tomescu. Problems proposed at the 20th International Mathematical Olympiad, Bucharest, 1978, *Gazeta Matematică* 85(1980), 52-54. (in Romanian)
20. I. Tomescu. The four color problem, *Gazeta Matematică* 81(1976), 81-83. (in Romanian)
21. I. Tomescu. Elements of graph theory, *Gazeta Matematică* 79(1974), 129-137. (in Romanian)
22. I. Tomescu. Classes of Boolean functions, *Gazeta Matematică* 77(1972), 385-393. (in Romanian)
23. I. Tomescu. Principles of counting, *Gazeta Matematică* 76(1971), 258-262;386-397. (in Romanian)
24. I. Tomescu. Elements of mathematical logic, *Gazeta Matematică Ser. A* 76(1971), 102-107, 144-151, 182-191, 225-232. (in Romanian)
25. I. Tomescu. Notions of combinatorics(Möbius function, permutation groups, method of Pólya), *Gazeta Matematică Ser. A* 75(1970), 335-346, 420-432, 469-477. (in Romanian)
26. I. Tomescu. Sieve formulas with applications to counting problems, *Gazeta Matematică Ser. A* 74(1969), 382-391. (in Romanian)
27. I. Tomescu. Some applications of algebra to mathematical logic, *Gazeta Matematică* 73(1968), 456-460. (in Romanian)

7 THESES SUPERVISED

7.1 Ph. D. Theses

1. Sana Javed. *Contributions to chromaticity of graphs and hypergraphs*, GC University, Lahore, Pakistan, 2013.
2. Ayesha Riasat. *Metric dimension and distances in graphs*, GC University, Lahore, Pakistan, 2013.
3. Salma Kanwal. *Extremal graphs with respect to degree distance index*, GC University, Lahore, Pakistan, 2013.
4. Muhammad Imran. *Properties of connected graphs related to metric and partition dimension*, GC University, Lahore, Pakistan, 2011.
5. Ruxandra Marinescu-Ghemeci(Verman). *Partitions and distances in graphs*, Bucharest University, Romania, 2011.
6. Gabriela Mihai(Cristea). *Management of distributed information*, Bucharest University, Romania, 2011.
7. Syed Ahtsham Ul Haq Bokhary. *Chromatic polynomial and chromatic uniqueness of spernerian hypergraphs*, GC University, Lahore, Pakistan, 2010.
8. Mircea Adam. *Data structures and algorithms in secondary memory*, Bucharest University, Romania, 2008.
9. Mohammad Tariq Rahim. *Vertex-magic, vertex antimagic and multi-level distance labeling of some families of graphs*, GC University, Lahore, Pakistan, 2007.
10. Imran Javaid. *Metric dimension and partition dimension of some families of graphs*, GC University, Lahore, Pakistan, 2007.
11. Akhlaq Ahmad Bhatti. *Chromatic polynomials and chromaticity in graphs and hypergraphs*, GC University, Lahore, Pakistan, 2007.
12. Laura Ciupală. *Network flow algorithms*, Bucharest University, Romania, 2006.
13. Petrișor Guță. *Coloring problems in Graph Theory*, Bucharest University, Romania, 2003.
14. Hazim A. Farhan. *Design and implementation of a visual environment for building and integrating expert systems with various DBMS*, Bucharest University, Romania, 2003.
15. Cristina Vertan. *Algorithms with intrinsic parallelism*, Bucharest University, Romania, 2000.
16. Laurențiu Modan. *Algebraic methods in Graph and Matroid Theory*, Bucharest University, Romania, 1999.

17. Virgil Domocoş. *Generating Functions in Combinatorics*, Bucharest University, Romania, 1994.
18. Eugen Mândrescu. *Perfect Graphs and Graph Products*, Bucharest University, Romania, 1993.

7.2 Master Theses

1. Gruia Călinescu. *Combinatorial Methods in Scheduling Theory*, Bucharest University, Romania, 1992.
2. Cristian Artemi. *Some Applications of Matching Theory to Chemistry*, Bucharest University, Romania, 1988.
3. Virgil Domocoş. *Elements of matroid theory*, Bucharest University, Romania, 1983. [he has got a Ph. D. in Mathematics, Bucharest University, Romania]
4. Şerban Buzeteanu. *Ramsey Theorem and its Extensions*, Bucharest University, Romania, 1981. [he has got a Ph. D. in Mathematics, Bucharest University, Romania]
5. Gabriel Marin. *Extensions of the Out-of-kilter Algorithm*, Bucharest University, Romania, 1980.
6. Andrei Stoffel. *Latin Squares and their Applications*, Bucharest University, Romania, 1978.
7. Dragoş-Radu Popescu. *Hamiltonian Problems in Graph Theory*, Bucharest University, Romania, 1975. [he has got a Ph. D. in Mathematics, Bucharest University, Romania]

8 LECTURES AT CONFERENCES

1. *On the chromaticity of sunflower hypergraphs*, Third International Conference on 21st Century Mathematics 2007, School of Mathematical Sciences, GC University, Lahore, Pakistan, March 4-7, 2007.
2. *Extremal and asymptotic properties of irreducible coverings of graphs by cliques*, Second International Conference on 21st Century Mathematics 2005, School of Mathematical Sciences, GC University, Lahore, Pakistan, March 4-6, 2005.
3. *On the number of graphs and digraphs with a fixed diameter and connectivity*, Third International Conference on Combinatorics, Computability and Logic (DMTCS' 01), Constantza, Romania, July 2-6, 2001 (invited speaker).
4. *On the number of large h -hypergraphs with a fixed diameter*, Fifth Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications, Center for Discrete Mathematics, Theoretical Computer Science and Applications, Prague, July 6-11, 1998 (invited speaker).

5. *Minimum Spanning Hypertrees*, Colloquium SALODAYS in Theoretical Computer Science, Bucharest University, Romania, 1992.
6. *Average Complexity of Some Graph Problems*, PROCOMP' 89, Central Institute for Informatics, Bucharest, Romania, 1989.
7. *Decomposition Theorems for the Number of Perfect Matchings in Hexagonal Graphs*, International Conference on Discrete Mathematics, Wustrow, Germany, 1988.
8. *Extremal Results Concerning the Number of Graph and Hypergraph Colorings*, Semester of Combinatorics, Stefan Banach Mathematical Center, Warsaw, Poland, 1987.
9. *Almost All Digraphs Have a Kernel*, Random Graphs'87, Adam Mickiewicz University, Poznań, Poland, 1987.
10. *Romanian Results in Graph Theory*, Computer Center Anniversary Symposium, Bucharest University, Romania, 1987.
11. *New Results in Combinatorics and Graph Theory*, Symposium "Mathematics, Today and Tomorrow", Romanian Academy, Bucharest, Romania, 1983.
12. *The Number of Labeled k -Cyclic Connected Graphs*, The 3rd Congress of Bulgarian Mathematicians, Varna, Bulgaria, 1972.
13. *An Algorithm for Minimizing the Number of States for a Class of Incompletely Specified Sequential Machines*, International Congress of Logic, Philosophy and Metodology of Science, Bucharest, Romania, 1971.
14. *On the Minimum Tests for Symmetric Boolean Functions*, International Symposium IFAC "Hazards in Switching Circuits", Bucharest, Romania, 1968.
15. *A Method of Analysis of Contact Multipoles and its Realization by Computer Technique*, International Symposium "Computational Techniques and Computers", Bucharest, Romania, 1967.

9 INVITED LECTURES AT UNIVERSITIES

1. *Some properties of irreducible coverings of graphs by cliques*, National University of Singapore, School of Computing, Singapore, 2002.
2. *Extremal properties of irreducible coverings of graphs by cliques*, Hamburg University, Computer Science Department, Germany, 2002.
3. *On words containing all short factors*, Université Claude Bernard-Lyon 1, France, 1999.
4. *Minimum Spanning Hypertrees*, Massey University, Palmerston North, New Zealand, 1995.

5. *Minimum Spanning Hypertrees*, Auckland University, New Zealand, 1995.
6. *Bonferroni Inequalities and Negative Cycles in Large Complete Signed Graphs*, Auckland University, New Zealand, 1995.
7. *Bonferroni Inequalities and Negative Cycles in Large Complete Signed Graphs*, Waikato University, Hamilton, New Zealand, 1995.
8. *Ordered h-Hypertrees*, Mathematical Institute of the Hungarian Academy of Science, Budapest, Hungary, 1990.
9. *Extremal Properties of Chromatic Polynomials*, Bucharest University, Romania, 1987.
10. *Regular Graphs and Cages*, Institute of Atomic Physics, Măgurele, Romania, 1984.
11. *Longest Cycles in Graphs without Complete Subgraphs of a Given Size*, Paris VI University, Paris, France, 1975.
12. *On the Complexity of Sorting Algorithms*, University of Tirana, Albania, 1974.

10 EDITORIAL BOARDS ON JOURNALS

1. *Electronic Journal of Graph Theory and Applications* (from 2012 on).
2. *The Journal of Prime Research in Mathematics*, Lahore, Pakistan (from 2005 on).
3. *Romanian Journal of Information Science and Technology*, Bucharest, Romania (from 1998 on).
4. *Matematički Vesnik*, Beograd, Yugoslavia (from 1996 on).
5. *Revue Roumaine de Mathématiques Pures et Appliquées*, Bucharest, Romania (from 1986 on).
6. *Bulletin Math. de la Soc. Sci. Math. de Roumanie (N. S.)*, Bucharest, Romania (from 1982 on).
7. *Analele Universității București, Matematică*, Bucharest, Romania (from 1978 on).
8. *Gazeta Matematică*, Bucharest, Romania (from 1971 on).

11 CONFERENCE / WORKSHOP ORGANIZATION

1. *Semester of Combinatorics*, Stefan Banach Mathematical Center, Warsaw, Poland, September-December, 1987.

12 EXTERNAL EVALUATOR

1. Referee for *Revue Roumaine de Mathématiques Pures et Appliquées*, *Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie*, *Studii și Cercetări Matematice* (Bucharest), *Analele Universității București*, *Gazeta Matematică* (Bucharest), *Journal of Graph Theory*, *Journal of Combinatorial Theory (series A)*, *Discrete Mathematics*, *Discrete Applied Mathematics*, *Random Structures and Algorithms*, *Communications in Mathematical Chemistry (MATCH)*, *Graphs and Combinatorics*, *Australasian Journal of Combinatorics*, *Electronic Journal of Combinatorics*, *International Journal of Mathematical Sciences*, *Journal of Applied Mathematics & Computing*, *Discussiones Math. Graph Theory*, *Ars Combinatoria*.
2. Referee for the *National Colloquium Info-Iași*, Iași [1983], *ROSYCS*, Iași [1996], International conference *Discrete Mathematics and Theoretical Computer Science*, Dijon, 2003.
3. Reviewer for *Mathematical Reviews* [from 1976 on], *Zentralblatt für Mathematik* [from 1968 on].
4. Referee for the publishing houses *Academiei*, *Științifică*, *Didactică și Pedagogică*, *Tehnică*, Bucharest (Romania) [since 1967 on].

13 PROFESSIONAL SOCIETIES

1. Corresponding member of the *Romanian Academy*, Bucharest, Romania [from November 24, 2000 on].
2. Member of the *International Academy of Mathematical Chemistry* [from June, 2009 on].
3. *Association for Computing Machinery* [1995-1998].
4. *American Mathematical Society* [from 1989 on].
5. *Romanian Mathematical Society* [from 1966 on].

14 SPECIAL RECOGNITION

1. *Best Ph. D Advisor*, Abdus Salam School of Mathematical Sciences, GC University Lahore, Pakistan, 2009.
2. *Gheorghe Țițeica Prize*, Romanian Academy, Romania, 1975.
3. *Prize for Applied Mathematics*, First Balkan Mathematics Competition for Students and Young Researchers, Bucharest, Romania, 1971.
4. *Gold Medal* and *Silver Medal*, National Mathematics Competition for Students of Universities, Bucharest, Romania, 1961 and 1962.