

HIT - HOLON INSTITUTE OF TECHNOLOGY

Date: 2nd November 2025

Name	<u>EUGEN MANDRESCU Ph.D.</u>	<u>312772353</u>
	(first) (last) (acad. degree)	No. id. Card
Faculty	<u>Sciences</u>	Department <u>School of Computer Science</u>
Home Address	<u>60/4 Hanassi Avenue, Haifa 3464322</u>	Phone No. <u>04-8334459 03-5026736 052-6898987</u>
		(home) (work) (mobile)
Date/place of birth	<u>08/2/1951 Romania</u>	Date of arrival in Israel <u>18/8/1994</u>
	(date) (country)	
ZAHAL, (Israeli) Military Service	<u>-</u>	<u>-</u>
	Dates (enlisted)	(discharged)
Marital Status	<u>Married</u>	No. of children <u>two</u>

A. EDUCATION

Period of Study (dates)	Name of University (including city and country if not in Israel)	Subject	Degree or Professional License	Date of Award
1970-1974	University of Jassy, Jassy, Romania	Mathematics	B.A.	7/1974
1974-1975	Faculty of Mathematics, University of Jassy, Jassy Romania	Numerical Analysis	M.Sc.	7/1975
1990-1993	University of Bucharest, Bucharest, Romania	Mathematics	Ph.D.	12/1993

Title of Master's Thesis: Conjugate gradients method

Name of Supervisors: Prof. Dr. C. Illoiu, Prof. C. Amihaesei

Title of Doctoral Dissertation: Perfect graph operations

Name of Supervisor: Prof. Dr. I. Tomescu

B. ACADEMIC AND PROFESSIONAL EXPERIENCE

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1976-1978	Districtual Center of Computers, Galatzi, Romania	Programming	Programmer
1979-1989	University of Galatzi, Romania	Mathematics	Lecturer
1990-1994	University of Galatzi, Romania	Mathematics	Assistant Professor

B. ACADEMIC AND PROFESSIONAL EXPERIENCE, contd.

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1995-1996	High School, Kiriat Yam, Israel	Mathematics	Teacher
1997-2001	Mechina, Tel-Aviv University, Israel	Mathematics	Lecturer
1998-present	ORT Braude College, Karmiel, Israel	Computer Engineering	Adjunct Lecturer
1996-present	HIT - Holon Institute of Technology, Israel	Faculty of Sciences/School of Computer Science	
	Rank:		
1996-99	Research Fellow (Ministry of Immigration)		
1999-2000	Adjunct Teacher		
1/10/2000-4/2006	Senior Lecturer		
4/2006-10/2013	Senior Lecturer with tenure		
10/2013-present	Associate Professor		

C. PROFESSIONAL AND PUBLIC ACTIVITIES

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Function
2005	Conference on Algebraic Informatics, Thessaloniki, Greece, 20-23 Oct. 2005	Invited Speaker
2006	International Conference on Mathematics & Informatics (ICMI 45), Bacău, Romania, 18-20 Sept. 2006	Member of Program Committee
10/2007-present	Mathematical Reviews	Reviewer
2007-present	Discrete Mathematics and Discrete Applied Mathematics	Reviewer
2010	ALIO-INFORMS Joint International Meeting (Association of Latin- Iberoamerican Operational Research Societies-Institute for Operations Research and the Management Sciences) Buenos Aires, Argentina, 6-9 June 2010	Session Chair: Graphs Theory, Algorithms and Applications V

C. PROFESSIONAL AND PUBLIC ACTIVITIES, contd.

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Function
9/2013	The 21st Conference on Applied and Industrial Mathematics (CAIM 2013), Bucharest, Romania, 19-22 September 2013	Chairman/Section 6: Computer Science
8/2014	International Congress of Mathematicians (SEOUL ICM 2014), Seoul, Korea, 13-21 August 2014	Session Chair
2017	The Ninth Shanghai Conference on Combinatorics (9SHCC), Shanghai, China, 24-28 May 2017	Session Chair

E. ACADEMIC AND PROFESSIONAL AWARDS

(prizes, fellowships, scholarships, etc.)

Period (dates)	Name of Institution (city, country)	Occasion
2002/2003; 2003/2004; 2004/2005; 2005/2006; 2006/2007; 2009/2010;	HIT - Holon Institute of Technology, Holon, Israel	Excellence in teaching
2011/2012	HIT - Holon Institute of Technology, Holon, Israel	Excellence in teaching, research and creativity
2013/2014	HIT - Holon Institute of Technology, Holon, Israel	Excellence in research/creativity, teaching, and contribution to the community
2014/2015; 2015/2016; 2016/2017	HIT – Holon Institute of Technology, Holon, Israel	Excellence in teaching
2018/2019	HIT - Holon Institute of Technology, Holon, Israel	Excellence in research/creativity, teaching, and contribution to the community
2020/2021	HIT – Holon Institute of Technology, Holon, Israel	Excellence in research/creativity, teaching, and contribution to the community
2021/2022	HIT – Holon Institute of Technology, Holon, Israel	Excellence in research, teaching, and contribution to the community

E1. RESEARCH GRANTS

Period (dates)	Name of Institution (city, country)	Occasion/Amount
	NONE	

F. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Year	Society (country)
	NONE

G. STUDENTS SUPERVISED BY CANDIDATE

HIT – Holon Institute of Technology does not currently have an accreditation for granting research theses (M.Sc.) or Dissertation (Ph.D.) degrees

G1. DOCTORAL STUDENTS

Year	Name of Student	Title of Thesis	Name of Academic Institution
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NONE

G2. M.A./M.Sc. STUDENTS (please indicate if degree is with "thesis" or "final project")

Year	Name of Student	Title of Thesis	Name of Academic Institution
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NONE

PUBLICATIONS

Prof. Eugen Mandrescu has an h-index of 23 (Google Scholar)

B. TEXTBOOKS

1. E. Mandrescu, E. Olaru, I. Totolici, I. Adrian, T. Enache (1980)
Selected topics in mathematics – problem book
(for students in mechanical and shipyard engineering faculty)
University of Galatzi, Romania, (231 pages)

C. REFEREED ARTICLES (ranked by either WoS or SCImago) (published)

- *1. V.E. Levit, **E. Mandrescu** (2025)
On König-Egerváry corona graphs
Boletín de la Sociedad Matemática Mexicana, 31(3), 110, published 21 August 2025
<https://doi.org/10.1007/s40590-025-00796-8>
WoS: Q2 , IF: 0.8 (2024)
SCImago: Q2, h-index: 20
- *2. V.E. Levit, **E. Mandrescu** (2025)
On the number of vertices/edges whose deletion preserves the König-Egerváry property
Acta Mathematica Hungarica, 176 (321-340), published 25 July 2025
<https://doi.org/10.1007/s10474-025-01549-9>
WoS: Q3 , IF: 0.6 (2024)
SCImago: Q2, h-index: 47
- *3. V.E. Levit, **E. Mandrescu** (2025)
On almost bipartite non-König-Egerváry graphs
Discrete Applied Mathematics, 366 (127-134)
WoS: Q3, IF: 1.0 (2023), JCR citations: 2
SCImago: Q2, h-index: 94, Scopus citations: 2
[Google scholar citations: 2]
- *4. D.T. Hoang, V.E. Levit, **E. Mandrescu**, M.H. Pham (2024)
Unimodality of the independence polynomial of $G_0(K_p \cup K_q)$
Vietnam J. of Mathematics, published online 19 November 2024 (1-15)
<https://doi.org/10.1007/s10013-024-00723-w>
WoS: Q2, IF: 0.8 (2023)
SCImago: Q2, h-index: 18
- *5. Z. Denis, V.E. Levit, **E. Mandrescu** (2023)
On graphs admitting two disjoint maximum independent sets
The Art of Discrete and Applied Mathematics, 6, (1.01 - 9 pages)
SCImago: Q2, h-index: 3
Scopus citations: 2
[Google scholar citations: 3]

* Since last promotion

C. Refereed Articles (ranked either by WoS or SCImago), contd.

- *6. **E. Mandrescu** (2022)
On the co-strong perfectness of the normal product of graphs
Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie
65(113), No.4, (421-430)
Dedicated to Prof. Ioan Tomescu on the occasion of his 80th birthday
WoS: Q4, IF: 0.232
SCImago: Q4, h-index: 19
- *7. V.E. Levit, **E. Mandrescu** (2022)
Some more updates on an annihilation number conjecture: Pros and cons
Graphs and Combinatorics, 38(5), (Article 141; 19 pages)
WoS: Q4, IF: 0.556
SCImago: Q2, h-index: 39
[Google scholar citation: 1]
- *8. V.E. Levit, **E. Mandrescu** (2022)
Critical sets, crowns and local maximum independent sets
J. of Global Optimization, 83, (481-495)
WoS: Q2, IF: 1.996 (2021), JCR citations: 3
SCImago: Q1, h-index: 89, Scopus citations: 3
[Google scholar citations: 5]
- *9. V.E. Levit, **E. Mandrescu** (2020)
On an annihilation number conjecture
ARS Mathematica Contemporanea, 18(2), 2020 (359-369)
published online October 2020
<https://doi.org/10.26493/1855-3974.1950.8bd>
WoS: Q3, IF: 0.922 (2021), JCR citations: 2
SCImago: Q2, h-index: 17, Scopus citations: 2
- *10. V. E. Levit, **E. Mandrescu** (2020)
On the critical difference of almost bipartite graphs
J. of Algebraic Combinatorics, 56(1), (59-73)
<https://doi.org/10.1007/s10801-020-00968-x>
WoS: Q3, IF: 0.963 (2021), JCR citations: 6
SCImago: Q1, h-index: 40, Scopus citations: 6
[Google scholar citations: 13]
- *11. V.E. Levit, **E. Mandrescu** (2020)
On König-Egerváry collections of maximum critical independent sets
The Art of Discrete and Applied Mathematics 2(1), #P1.02 (9 pages)
<https://doi.org/10.26493/2590-9770.1261.9a0>
SCImago: Q2, h-index: 3, Scopus citations: 3
[Google scholar citations: 9]
- *12. A. Jarden, V.E. Levit, **E. Mandrescu** (2019)
Monotonic properties of collections of maximum independent sets of a graph
Order – A Journal on the Theory of Ordered Sets and Its Applications, 36(2), (199-207)
WoS: Q4, IF: 0.558, JCR citations: 2
SCImago: Q2, h-index: 26, Scopus citations: 3
[Google scholar citations: 7]

* Since last promotion

C. Refereed Articles (ranked either by WoS or SCImago), contd.

- *13. V. E. Levit, **E. Mandrescu** (2019)
1-well-covered graphs revisited
European J. of Combinatorics, 80, (261-272)
<https://doi.org/10.1016/j.ejc.2018.02.021>
WoS: Q3, IF: 0.890, JCR citations: 13
SCImago: Q1, h-index: 50, Scopus citations: 15
[Google scholar citations: 28]
- *14. A. Jarden, V.E. Levit, **E. Mandrescu** (2018)
Critical and maximum independent sets of a graph
Discrete Applied Mathematics 247, (127-134)
<https://doi.org/10.1016/j.dam.2018.03.058>
WoS: Q3, IF: 1.139, JCR citations: 4
SCImago: Q2, h-index: 87, Scopus citations: 4
[Google scholar citations: 16]
- *15. V.E. Levit, **E. Mandrescu** (2018)
Graph operations preserving W_2 -property
Electronic Notes in Discrete Mathematics, 68, (35-40)
<https://doi.org/10.1016/j.endm.2018.06.007>
SCImago: Q3, h-index: 28, Scopus citation: 1
[Google scholar citations: 2]
- *16. V.E. Levit, **E. Mandrescu** (2017)
The Roller-Coaster Conjecture revisited
Graphs and Combinatorics, 33, (1499-1508)
<https://link.springer.com/article/10.1007/s00373-017-1834-z>
WoS: Q3, IF: 0.597, JCR citation: 1
SCImago: Q2, h-index: 39, Scopus citation: 1
[Google scholar citations: 4]
- *17. V. E. Levit, **E. Mandrescu** (2017)
On Clique Corona Graphs - A Short Survey
Matemática Contemporânea 45, (68-76)
<http://mc.sbm.org.br/wp-content/uploads/sites/15/2018/12/45-9.pdf>
[Google scholar citations: 6]
- *18. A. Jarden, V.E. Levit, **E. Mandrescu** (2017)
Two more characterizations of König-Egerváry graphs
Discrete Applied Mathematics, 231, (175-180)
WoS: Q3, IF: 1.041, JCR citations: 8
SCImago: Q2, h-index: 87, Scopus citations: 8
[Google scholar citations: 17]
- *19. V.E. Levit, **E. Mandrescu** (2017)
 W_2 -graphs and shedding vertices
Electronic Notes in Discrete Mathematics, 61, (797-803)
<https://doi.org/10.1016/j.endm.2017.07.038>
SCImago: Q3, h-index: 28, Scopus citations: 5
[Google scholar citations: 5]

* Since last promotion

C. Refereed Articles (ranked either by WoS or SCImago), contd.

- *20. V.E. Levit, **E. Mandrescu** (2016)
Intersections and unions of critical independent sets in bipartite graphs
Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie
59(107), No.3, (257-260)
http://ssmr.ro/bulletin/pdf/59-3/articol_6.pdf
WoS: Q3, IF: 0.571, JCR citations: 2
SCImago: Q4, h-index: 19, Scopus citations 2
[Google scholar citations: 2]
- *21. V.E. Levit, **E. Mandrescu** (2016)
Crowns in bipartite graphs
Electronic Notes in Discrete Mathematics, 54, (45-50)
<https://doi.org/10.1016/j.endm.2016.09.009>
SCImago: Q3, h-index: 28, Scopus citations: 2
[Google scholar citations: 2]
- *22. **E. Mandrescu**, A. Spivak (2016)
Maximal trees with log-concave independence polynomials
Notes on Number Theory and Discrete Mathematics, 22(2), (44-53)
<http://nntdm.net/volume-22-2016/number-2/44-53/>
JCR citations: 8
[Google scholar citations: 9]
- *23. V.E. Levit, **E. Mandrescu** (2016)
On the independence polynomial of the corona of graphs
Discrete Applied Mathematics, 203, (85-93)
<https://doi.org/10.1016/j.dam.2015.09.021>
WoS: Q3, IF: 0.983; JCR citations: 6
SCImago: Q2, h-index: 87, Scopus citations: 7
[Google scholar citations: 13]
- *24. V.E. Levit, **E. Mandrescu** (2016)
Computing unique maximum matchings in $O(m)$ time for König-Egerváry graphs and unicyclic graphs
J. of Combinatorial Optimization, 32(1), (267-277)
<https://link.springer.com/article/10.1007/s10878-015-9875-9>
WoS: Q3, IF: 0.816, JCR citations: 3
SCImago: Q2, h-index: 49; Scopus citations: 3
[Google scholar citations: 3]
- *25. V.E. Levit, **E. Mandrescu** (2014)
Greedoids on vertex sets of B-joins of graphs
Carpathian J. of Mathematics, 30(3), (335-344)
<https://www.jstor.org/stable/44000017>
WoS: Q2, IF: 0.788
SCImago: Q2, h-index: 26
- *26. V.E. Levit, **E. Mandrescu** (2014)
On the intersection of all critical sets of a unicyclic graph
Discrete Applied Mathematics, 162, (409-414)
<http://dx.doi.org/10.1016/j.dam.2013.09.006>
WoS: Q2, IF: 0.956, JCR citations: 6
SCImago: Q2, h-index: 87, Scopus citations: 6
[Google scholar citations: 10]

C. Refereed Articles (ranked either by WoS or SCImago), contd.

- *27. V.E. Levit, **E. Mandrescu** (2014)
A set and collection Lemma
Electronic J. of Combinatorics, 21(1), (P1.40)
<http://www.combinatorics.org/ojs/index.php/eljc/article/view/v21i1p40/pdf>
WoS: Q3, IF: 0.543, JCR citations: 9
SCImago: Q2, h-index: 48, Scopus citations: 11
28. V.E. Levit, **E. Mandrescu** (2013)
On unicyclic graphs with uniquely restricted maximum matchings
Graphs and Combinatorics 29(6), (1867-1879)
<https://link.springer.com/article/10.1007%2Fs00373-012-1230-7>
WoS: Q3, IF: 0.480
SCImago: Q2, h-index: 39, Scopus citation: 1
[Google scholar citations: 3]
29. V.E. Levit, **E. Mandrescu** (2013)
Critical sets in bipartite graphs
Annals of Combinatorics, 17(3), (543-548)
[published online 31 May 2013]
WoS: Q4, IF: 0.407, JCR citations: 9
SCImago: Q1, h-index: 23, Scopus citations: 9
[Google scholar citations: 17]
30. V.E. Levit, **E. Mandrescu** (2013)
The cyclomatic number of a graph and its independence polynomial at -1
Graphs and Combinatorics, 29(2), (259-273)
[published online: DOI 10.1007/s00373-011-1101-7, 1 November 2011]
WoS: Q3, IF: 0.480, JCR citations: 4
SCImago: Q2, h-index: 39, Scopus citations: 4
[Google scholar citations: 5]
31. V.E. Levit, **E. Mandrescu** (2013)
On maximum matchings in König-Egerváry graphs
Discrete Applied Mathematics, 161(10-11), (1635-1638)
WoS: Q3, IF: 0.600, JCR citations: 19
SCImago: Q2, h-index: 87, Scopus citations: 22
[Google scholar citations: 30]
32. V.E. Levit, **E. Mandrescu** (2013)
On the structure of the minimum critical independent set of a graph
Discrete Mathematics, 313(5), (605-610)
WoS: Q3, IF: 0.600, JCR citations: 6
SCImago: Q1, h-index: 80, Scopus citations: 7
[Google scholar citations: 13]
33. V.E. Levit, **E. Mandrescu** (2012)
When is G^2 a König-Egerváry graph?
Graphs and Combinatorics, 29(5), (1453-1458)
[published online: DOI 10.1007/s00373-012-1196-5, 8 June 2012]
WoS: Q3, IF: 0.480, JCR citation: 1
SCImago: Q2, h-index: 39
[Google scholar citations: 2]

* Since last promotion

C. Refereed Articles (ranked either by WoS or SCImago), contd.

34. V.E. Levit, **E. Mandrescu** (2012)
On the independence polynomial of an antiregular graph
Carpathian J. of Mathematics, 28(2), (279-288)
[published online: 21(3), 2011 ISSN 1843-4401]
WoS: Q2, IF: 0.792, JCR citations: 8
SCImago: Q2, h-index: 26, Scopus citations: 7
[Google scholar citations: 12]
35. **E. Mandrescu** (2012)
Unimodality of some independence polynomials via their palindromicity
Australasian J. of Combinatorics, 53, (77-82)
JCR citations: 5
SCImago: Q2, h-index: 31, Scopus citations: 5
[Google scholar citations: 12]
36. V.E. Levit, **E. Mandrescu** (2012)
Local maximum stable sets Greedoids stemming from very well-covered graphs
Discrete Applied Mathematics, 160(12), (1864-1871)
WoS: Q3, IF: 0.802, JCR citations: 3
SCImago: Q2, h-index: 87, Scopus citations: 2
[Google scholar citations: 3]
37. V.E. Levit, **E. Mandrescu** (2012)
On the core of a unicyclic graph
ARS Mathematica Contemporanea, 5, (325-331)
WoS: Q2, IF: 0.741, JCR citations: 7
SCImago: Q2, h-index: 17, Scopus citations: 7
[Google scholar citations: 15]
38. V.E. Levit, **E. Mandrescu** (2012)
Vertices belonging to all critical sets of a graph
Siam J. on Discrete Mathematics (SIDMA), 26(1), 202 (399-403)
WoS: Q3, IF: 0.654, JCR citations: 17
SCImago: Q1, h-index: 63, Scopus citations: 18
[Google scholar citations: 26]
39. V.E. Levit, **E. Mandrescu** (2012)
On local maximum stable set Greedoids
Discrete Mathematics, 312(3), (588-596)
WoS: Q3, IF: 0.557, JCR citations: 4
SCImago: Q1, h-index: 80, Scopus citations: 3
[Google scholar citations: 6]
40. V.E. Levit, **E. Mandrescu** (2012)
Critical independent sets and König-Egerváry graphs
Graphs and Combinatorics, 28(2), (243-250)
WoS: Q4, IF: 0.388, JCR citations: 30
SCImago: Q2, h-index: 39, Scopus citations: 31
[Google scholar citations: 45]
41. V.E. Levit, **E. Mandrescu** (2011)
A characterization of König-Egerváry graphs using a common property
of all maximum matchings
Electronic Notes in Discrete Mathematics, 38, 201 (565-570)
SCImago: Q3, h-index: 28, Scopus citations: 5
[Google scholar citations: 9]

C. Refereed Articles (ranked either by WoS or SCImago), contd.

42. V.E. Levit, **E. Mandrescu** (2011)
On symmetry of independence polynomials
Symmetry (Basel), 3(3), (472-486)
WoS: Q2, IF: 0.918, JCR citations: 3
SCImago: Q2, h-index: 64, Scopus citations: 5
[Google scholar citations: 5]
43. V.E. Levit, **E. Mandrescu** (2011)
Very well-covered graphs of girth at least four and local maximum stable set Greedoids
Discrete Mathematics, Algorithms and Applications, 3(2), (245-252)
JCR citations: 4
SCImago: Q3, h-index: 18, Scopus citations: 5
[Google scholar citations: 7]
44. V.E. Levit, **E. Mandrescu** (2011)
Graphs with F-symmetric independence polynomials
Acta Universitatis Apulensis, Special Issue
D. Breaz, N. Breaz, N. Ularu (eds.)
Proc. Int'l. Conf. on Theory and Applications of Mathematics and Informatics (ICTAMI 2011)
Alba Iulia, 21-25 July 2011 (185-194)
[Google scholar citations: 2]
45. V.E. Levit, **E. Mandrescu** (2011)
A simple proof of an inequality connecting the alternating number of
independent sets and the decycling number
Discrete Mathematics, 311(13), (1204-1206)
WoS: Q3, IF: 0.677, JCR citations: 8
SCImago: Q1, h-index: 80, Scopus citations: 7
[Google scholar citations: 15]
46. V.E. Levit, **E. Mandrescu** (2010)
Graph operations that are good for Greedoids
Discrete Applied Mathematics, 158(13), (1418-1423)
WoS: Q3, IF: 0.718, JCR citations: 3
SCImago: Q2, h-index: 87, Scopus citations: 2
[Google scholar citations: 6]
47. **E. Mandrescu** (2009)
Building graphs whose independence polynomials have only real roots
Graphs and Combinatorics, 25(4), (545-556)
WoS: Q4, IF: 0.319, JCR citations: 15
SCImago: Q2, h-index: 39, Scopus citations: 16
[Google scholar citations: 25]
48. V.E. Levit, **E. Mandrescu** (2008)
The intersection of all maximum stable sets of a tree and its pendant vertices
Discrete Mathematics, 308(23), 2008 (5809–5814)
WoS: Q3, IF: 0.536, JCR citations: 2
SCImago: Q1, h-index: 80, Scopus citation: 1
[Google scholar citations: 2]

C. Refereed Articles (ranked either by WoS or SCImago), contd.

49. V. E. Levit, **E. Mandrescu** (2008)
On the roots of independence polynomials of almost all very well-covered graphs
Special issue honoring Peter Hammer
Discrete Applied Mathematics 156(4), 2008 (478-491)
WoS: Q2 , IF: 0.822, JCR citations: 27
SCImago: Q2, h-index: 87, Scopus citations: 28
[Google scholar citations: 63]
50. V. E. Levit, **E. Mandrescu** (2007)
Triangle-free graphs with uniquely restricted maximum matchings
and their corresponding Greedoids
Discrete Applied Mathematics, 155(18), (2414-2425)
WoS: Q3, IF: 0.816 , JCR citations: 11
SCImago: Q2, h-index: 87, Scopus citations: 14
[Google scholar citations: 23]
51. V.E. Levit, **E. Mandrescu** (2007)
Matrices and α -stable bipartite graphs,
J. of Universal Computer Science 13(11), (1692-1706)
WoS: Q4, IF: 0.669
SCImago: Q2, h-index: 54
52. V. E. Levit, **E. Mandrescu** (2007)
A family of graphs whose independence polynomials are both palindromic and unimodal
Carpathian J. of Mathematics, 23(1-2), (108-116)
SCImago: Q2, h-index: 26, Scopus citations: 18
[Google scholar citations: 25]
53. V. E. Levit, **E. Mandrescu** (2006)
On α -critical edges in König-Egerváry graphs
Discrete Mathematics, 306(15), 2006 (1684-1693)
WoS: Q3 , IF: 0.502, JCR citations: 12
SCImago: Q1, h-index: 80, Scopus citations: 13
[Google scholar citations: 23]
54. V. E. Levit, **E. Mandrescu** (2006)
Independence polynomials of well-covered graphs: Generic counterexamples
for the unimodality conjecture
European J. of Combinatorics, 27(6), (931-939)
WoS: Q2, IF: 0.678, JCR citations: 27
SCImago: Q1, h-index: 50, Scopus citations: 26
[Google scholar citations: 56]
55. V. E. Levit, **E. Mandrescu** (2006)
Some operations preserving log-concavity of nonnegative functions
Mathematical Inequalities and Applications, 9(1), (63-73)
WoS: Q3, IF: 0.500
SCImago: Q2, h-index: 44
[Google scholar citation: 1]
56. V. E. Levit, **E. Mandrescu** (2004)
Very well-covered graphs with log-concave independence polynomials
Carpathian J. of Mathematics, 20(1), (73-80)
WoS: Q2, IF: 1.360 (2021)
SCImago: Q2, h-index: 26, Scopus citations: 15
[Google scholar citations: 33]

C. Refereed Articles (ranked either by WoS or SCImago), contd.

57. V. E. Levit, **E. Mandrescu** (2004)
Graph products with log-concave independence polynomials
WSEAS Trans. on Mathematics, 3(3), (487-492)
SCImago: Q4, h-index: 21
[Google scholar citations: 10]
58. V. E. Levit, **E. Mandrescu** (2003)
Local maximum stable sets in bipartite graphs with uniquely restricted maximum matchings
Discrete Applied Mathematics, 132(1-3), (163-174)
WoS: Q3, IF: 0.585, JCR citations: 21
SCImago: Q2, h-index: 87, Scopus citations: 22
[Google scholar citations: 35]
59. V. E. Levit, **E. Mandrescu** (2003)
On α -stable König-Egerváry graphs
Discrete Mathematics, 263(1-3), (179-190)
WoS: Q3, IF: 0.346, JCR citations: 24
SCImago: Q1, h-index: 80, Scopus citations: 27
[Google scholar citations: 49]
60. V. E. Levit, **E. Mandrescu** (2002)
A new Greedoid: The family of local maximum stable sets of a forest
Discrete Applied Mathematics, 124(1-3), (91-101)
WoS: Q3, IF: 0.374, JCR citations: 12
SCImago: Q2, h-index: 87, Scopus citations: 15
[Google scholar citations: 24]
61. V. E. Levit, **E. Mandrescu** (2002)
Combinatorial properties of the family of maximum stable sets of a graph
Discrete Applied Mathematics, 117(1-3), (149-161)
WoS: Q3, IF: 0.374, JCR citations: 29
SCImago: Q2, h-index: 87, Scopus citations: 32
[Google scholar citations: 57]
62. V. E. Levit, **E. Mandrescu** (2001)
On the structure of α -stable graphs
Discrete Mathematics, 236(1-3), (227-243)
WoS: Q3, IF: 0.303, JCR citations: 9
SCImago: Q1, h-index: 80, Scopus citations: 9
[Google scholar citations: 22]
63. V. E. Levit, **E. Mandrescu** (1998)
On hereditary properties of composition graphs
Discussiones Mathematicae – Graph Theory, 18, (183-195)
WoS: Q2, IF: 1.028 (2021)
SCImago: Q2, h-index: 20
[Google scholar citations: 4]
64. E. Olaru, **E. Mandrescu**, G. Alexe (1998)
Strongly perfectness tensor product of graphs
Revue Roumaine de Math. Pures et Appliquées, 43, (627-640)
SCImago: Q3, h-index: 4
[Google scholar citation: 1]

C. Refereed Articles (ranked either by WoS or SCImago), contd.

65. E. Olaru, **E. Mandrescu** (1992)
S-strongly perfect Cartesian products of graphs
J. of Graph Theory, 16, (297-305)
WoS: Q3, IF: 0.921 (2021)
SCImago: Q1, h-index: 51

66. **E. Mandrescu** (1991)
Strongly perfect products of graphs
Czechoslovak Mathematical J., 41(2), (368-372)
WoS:Q4, IF: 0.328 (2021) , JCR citations: 4
SCImago: Q3, h-index: 30
[Google scholar citations: 9]

Submitted for publication:

- *1. V.E. Levit, **E. Mandrescu** (2024)
On 1-König-Egerváry Graphs
Discrete Mathematics
WoS:Q3 , IF: 0.8 (2022)
SCImago: Q1, h-index: 83
- *2. Trong Hoang Do, V.E. Levit, **E. Mandrescu**, My Hanh Pham (2023)
On unimodality of the independence polynomial of clique corona graphs
Discrete Applied Mathematics 2023 (in review process)
WoS:Q3 , IF: 1.1 (2022)
SCImago: Q2, h-index: 92

C. REFEREED ARTICLES (non-ranked)

1. **E. Mandrescu**, I. Mirica (2011)
Independence polynomials of the unicyclic graphs whose Fibonacci indexes are extremal
Annals of "Dunarea de Jos" University of Galati, Romania, (343-350)
2. **E. Mandrescu**, I. Mirică (2011)
Independence polynomials of some graphs with extremal Fibonacci index
"Vasile Alecsandri" University of Bacău, Scientific Studies and Research
Series Mathematics and Informatics, 21(1), (127-138)
3. **E. Mandrescu**, I. Mirică (2011)
Forests whose independence polynomials are palindromic and have only real roots
J. of Advanced Mathematical Studies, 4(2), (41-50)
[Google scholar citation: 1]
4. V.E. Levit, **E. Mandrescu** (2009)
Greedoids on vertex sets of unicycle graphs
Congressus Numerantium, 197, (183-191)
5. V. E. Levit, **E. Mandrescu** (2008)
Graph operations and partial unimodality of independence polynomials
Congressus Numerantium, 190, (21-31)
[Google scholar citations: 6]

* Since last promotion

C. Refereed Articles (non-ranked), contd.

6. V. E. Levit, **E. Mandrescu** (2007)
Some structural properties of very well-covered graphs
Congressus Numerantium, 186, (97-106)
[Google scholar citations: 11]
7. V. E. Levit, **E. Mandrescu** (2006)
Partial unimodality of the independence polynomial for König-Egerváry graphs
Congressus Numerantium 179, (109-119)
[Google scholar citations: 29]
8. V. E. Levit, **E. Mandrescu** (2003)
A family of well-covered graphs with unimodal independence polynomials
Congressus Numerantium, 165, (195-207)
[Google scholar citations: 23]
9. V.E. Levit, **E. Mandrescu** (2002)
On well-covered trees with unimodal independence polynomials
Congressus Numerantium, 159, (193-202)
[Google scholar citations: 55]
10. V. E. Levit, **E. Mandrescu** (2000)
On α^{++} -stable graphs
Congressus Numerantium, 142, (207-219)
11. V. E. Levit, **E. Mandrescu** (1999)
Well-covered trees
Congressus Numerantium, 139, (101-112)
[Google scholar citations: 25]
12. V. E. Levit, **E. Mandrescu** (1998)
Well-covered and König- Egerváry graphs
Congressus Numerantium, 130, (209-218)
[Google scholar citations: 49]
13. V.E. Levit, **E. Mandrescu** (1997)
On α -stable graphs
Congressus Numerantium, 124, (33-46)
14. **E. Mandrescu** (1991)
Triangulated graph products
Annals of University of Galatzi, Romania, II, (37-43)
15. E. Olaru, **E. Mandrescu** (1986)
On stable transversals in graphs – an algebraic approach
Annals of University of Galatzi, Romania, II, (25-30)
16. E. Olaru, **E. Mandrescu** (1986)
On stable transversals and strong perfectness of graph-join
Annals of University of Galatzi, Romania, II, (21-24)
[Google scholar citations: 6]
17. **E. Mandrescu** (1985)
On the α -partitionability of X-join of graphs
Annals of University of Galatzi, Romania, II, (21-24)

D. CHAPTERS IN BOOKS

- *1. V.E. Levit, **E. Mandrescu** (2022)
On maximum independent sets of almost bipartite graphs
In: Luis Felipe Tabera Alonson (Ed.)
Discrete Mathematics Days, 4-6 July 2022 (306-312)
[Google scholar citations: 2]

- 2. V.E. Levit, **E. Mandrescu** (2006)
Independence polynomials and the unimodality conjecture for very well-covered, quasi-regularizable, and perfect graphs
in: A. Bondy, J. Fonlupt, J.L. Fouquet, J.C. Fournier, J.L. Ramirez Alfonsin (Eds.)
Graph Theory in Paris, Trends in Mathematics, 2006 (243-254)
Birkhauser Verlag Basel/Switzerland
https://doi.org/10.1007/978-3-7643-7400-6_19
JCR citations: 13
SCImago: Q4, h-index: 19
[Google scholar citations: 31]

E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS PUBLISHED IN PROCEEDINGS

- *1. **E. Mandrescu** (2025)
When the coalescence of two graphs is a König-Egerváry graph?
The 32nd Int'l. Conf. on Applied and Industrial Mathematics (CAIM 2025)
Bucharest, Romania, 18-21 September 2025
[also published at the Conf. Abstracts under the same title]

- *2. V.E. Levit, **E. Mandrescu** (2019)
Critical and maximum independent sets revisited
Lecture Notes in Computer Science, 11548, (3-18)
M. Khachay, Y. Kochetov, P. Pardalos (eds.)
Int'l. Conf. on Mathematical Optimization Theory and Operations Research (MOTOR 2019)
https://doi.org/10.1007/978-3-030-22629-9_1
[Google scholar citations: 2]

- 3. **E. Mandrescu**, V.E. Levit (2013)
Greedoids and bipartite joins of graphs
26th European Conf. on Operational Research (EURO/INFORMS)
Rome, Italy, 1-4 July 2013

- 4. V.E. Levit, **E. Mandrescu** (2013)
A new family of palindromic independence polynomials
Joint Int'l. Meeting of the American Mathematical Society, and
the Romanian Mathematical Society
Alba Iulia, Romania, 27-30 June 2013 [special session]

- 5. V.E. Levit, **E. Mandrescu** (2013)
Critical independent sets in a graph
3rd Int'l. Conf. on Discrete Mathematics (ICDM-2013)
Dharwad, India, 10-14 June 2013

- 6. V.E. Levit, **E. Mandrescu** (2009)
On König-Egerváry square-stable graphs
Proc. Int'l. Conf. on Theory and Applications of Mathematics and Informatics (ICTAMI)
Daniel Breaz, Nicoleta Breaz, Dorin Wainberg (eds.)
Alba Iulia, Romania, 3-6 September 2009
Acta Universitatis Apulensis - Special Issue, 2009 (425-435)

* Since last promotion

E. Papers presented at scientific meetings published in proceedings, contd.

7. V.E. Levit, **E. Mandrescu** (2009)
On duality between local maximum stable sets of a graph and its line-graph
Lecture Notes in Computer Science, 5420, (127-133)
M. Lipshteyn et. al (eds.)
Golumbic Festschrift, Graph Theory, Computational Intelligence and Thought –
A conference celebrating Martin Golumbic's 60th Birthday, Israel, 19-25 September 2008
[published at the Conf. Abstracts under the same title]
8. V.E. Levit, **E. Mandrescu** (2008)
The clique corona operation and Greedoids
Lectures Notes in Computer Science 5165, (384-392)
B. Yang, D.-Z. Du, C.A. Wang (eds.)
COCOA 2008 – 2nd Annual Int'l. Conf. on Combinatorial Optimization and Applications
St. John's, Newfoundland, Canada, 21-24 August 2008
[also published at the Conf. Abstracts under the same title]
JCR citations: 6
Scopus citations: 5
[Google scholar citations: 9]
9. V. E. Levit, **E. Mandrescu** (2008)
Well-covered graphs and Greedoids
Proc. 14th Computing: The Australasian Theory Symp. (CATS 2008)
J. Harland, P. Manyem (eds.)
Wollongong, NSW, Australia, 22-25 January 2008 (87-91)
[also published at the Conf. Abstracts under the same title]
Scopus citations: 4
[Google scholar citations: 9]
10. V.E. Levit, **E. Mandrescu** (2007)
On local maximum stable sets of the corona of a path with complete graphs
Proc. 6th Congress of Romanian Mathematicians
University of Bucharest, Bucharest, Romania, 28 June-July 4 2007
1, (565-569)
[published at the Conf. Abstracts under the same title]
[Google scholar citations: 7]
11. V.E. Levit, **E. Mandrescu** (2006)
Partial unimodality properties of independence polynomials
Proc. ICMI 45, Bacau, Romania, 18-20 September 2006
Stud. Cercet. Stiint., Ser. Mat. 16, (467-484)
[also published at the Conf. Abstracts under the same title]
[Google scholar citations: 3]
12. V.E. Levit, **E. Mandrescu** (2005)
The independence polynomial of a graph – A survey
Proc. 1st Int'l. Conf. on Algebraic Informatics
Aristotle University of Thessaloniki, Greece, 20-23 October 2005
S. Bozapolidis, A. Kalampakas, G. Rahonis (eds.) (231-252)
[also published at the Conf. Abstracts under the same title]
[Google scholar citations: 216]
13. V.E. Levit, **E. Mandrescu** (2005)
Square-stable and well-covered graphs
Proc. Int'l. Conf. on Theory and Applications of Mathematics and Informatics (ICTAMI 2005)
Univ. of Alba Iulia, Albac-Alba, Romania, 15-18 September 2005
Acta Universitatis Apulensis, 10, (297-308)
[also published at the Conf. Abstracts under the same title]
[Google scholar citations: 6]

E. Papers presented at scientific meetings published in proceedings, contd.

14. E. Olaru, **E. Mandrescu**, C. Ion, V. Anastasoaei (2005)
Perfect transversals in some graph products
Proc. Int'l. Conf. on Theory and Applications of Mathematics and Informatics (ICTAMI 2005)
Univ. of Alba Iulia, Albac-Alba, Romania, 15-18 September 2005
Acta Universitatis Apulensis, 10, (63-71)
[also published at the Conf. Abstracts under the same title]
[Google scholar citation: 1]
15. V. E. Levit, **E. Mandrescu** (2005)
Unicycle graphs and uniquely restricted maximum matchings
7th Int'l. Colloquium on Graph Theory (ICGT '05)
Hyères, France, 12-16 September 2005
Electronic Notes in Discrete Mathematics, 22, 2005 (261-265)
[also published at the Conf. Abstracts ICGT '05 under the same title]
Scopus citations: 5
[Google scholar citations: 9]
16. V. E. Levit, **E. Mandrescu** (2003)
On unimodality of independence polynomials of some well-covered trees
Proc. 4th Int'l. Conf. on Discrete Mathematics and Theoretical Computer Science (DMTCS'03)
Cristian S. Calude, Michael J. Dinneen, Vincent Vajnovski (eds.)
Lecture Notes Computer Science 2731, Dijon, France, 7-12 July 2003
Springer-Verlag, Berlin, Heidelberg (237-256)
[also published at the Conf. Abstracts under the same title]
JCR citations: 19
Scopus citations: 18
[Google scholar citations: 47]
17. V. E. Levit, **E. Mandrescu** (2001)
Unicycle bipartite graphs with only uniquely restricted maximum matchings
3rd Int'l. Conf. on Combinatorics, Computability and Logic (DMTCS '01) 2001
Springer Ser. Discrete Mathematics and Theoretical Computer Science
C.S. Calude, M.J. Dinneen, S. Sburlan (eds.)
Springer-Verlag, London, July 2001 (151-157)
[also published at the Conf. Abstracts under the same title]
JCR citations: 9
[Google scholar citations: 14]
18. **E. Mandrescu** (1991)
Costrongly perfect graph products
Scientific Session of University of Bacau, Romania, 12-15 October 1991
Studii si Cercetari, Matematica, University of Bacau 1, (64-68)
19. E. Olaru, **E. Mandrescu** (1987)
Some results on strongly perfect graphs
The 11th Symp. on Computer Science and Management
Cluj-Napoca, Romania
27-29 May 1987 (56-62)
20. E. Olaru, **E. Mandrescu** (1986)
Complete transversals of maximal independent sets of a graph
Scientific Session of University Galatzi, Romania, 11-14 November 1986
Proc. Sci. Ses. University of Galatzi, Romania, (96-100)
21. **E. Mandrescu**, A. Olaru (1985)
Utilization of dynamic programming in finding an optimal raw material supply
Scientific Session of University Galatzi, Romania, 12-15 October 1985
Proc. Sci. Ses. (28-32), University of Galatzi, Romania

E. Papers presented at scientific meetings published in proceedings, contd.

22. **E. Mandrescu** (1984)
Operations with almost perfect graphs
Scientific Session of University Galatzi, Romania, 8-10 November 1984
Proc. Sci. Ses. Univ. Galatzi, Romania, (39-42)
23. **E. Mandrescu** (1983)
Remarks on connectedness and α -partitionability of some graph products
Proc. of the 3rd Seminar on Graph Theory
University of Brashov, Romania
21-22 October 1983 (26-29)

F. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (UNPUBLISHED)

- *9/2024 The 26th Japan Conference on Discrete and Computational Geometry, Graphs and Games (JCDCG³), Tokyo, Japan, 10-12 September 2024
On corona of König- Egerváry graphs
(E. Mandrescu, V.E. Levit)
- *9/2023 The 30th Conference on applied and Industrial Mathematics (CAIM 2023), Iasi, Romania, 14-17 September 2023
On ℓ -König-Egerváry graphs
(E. Mandrescu, V.E. Levit)
- *11/2022 AUA-UAEU Workshop on Graph Theory, Combinatorics and Applications (GTCA 2022), UAE University, Al Ain, United Arab Emirates, 13-15 November 2022
Relationships between $\text{core}(G)$ and $\text{ker}(G)$ of an almost bipartite graph
(Joint work with Prof. V.E. Levit)
- *8/2022 International Conference on Recent Developments in Mathematics (ICRDM 2022), Canadian University Dubai, United Arab Emirates, 24-26 August 2022 [online/hybrid]
On minimal critical independent sets of almost bipartite non-König-Egerváry graphs
(joint work with Prof. V.E. Levit)
- *8/2018 International Congress of Mathematicians (ICM 2018), Rio de Janeiro, Brazil, 1-9 August 2018
Unimodality conjectures on independence polynomials [poster]
- *6/2018 Discrete Mathematics Days 20-18, Sevilla, Spain, 27-29 June 2018
Graph operations preserving W_2 -property
- *5/2018 18th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 13-15 May 2018
Unimodality conjectures on independence polynomials
- *9/2017 The 25th Conference on Applied and Industrial Mathematics (CAIM 2017), Iași, Romania, 14-17 September 2017
Partial unimodality of independence polynomials of 1-well-covered graphs
- *7/2017 Mathematical Congress of the Americas (MCA 2017), Montreal, Canada, 24-28 July 2017
Shedding vertices and well-covered graphs
- *6/2017 17th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 5-8 June 2017
A refined version of the Roller Coaster Conjecture

* Since last promotion

F. Papers presented at scientific meetings (unpublished), contd.

- *5/2017 The Ninth Shanghai Conference on Combinatorics (9SHCC), Shanghai, China,
24-28 May 2017
A refined version of the Roller-Coaster Conjecture
- *11/2016 Latin American Workshop on Cliques in Graphs (LAWCG 2016), La Plata, Argentina,
8-11 November 2016
Clique Corona graphs – A short survey
- *9/2016 The 24th Conference on Applied and Industrial Mathematics (CAIM 2016), Craiova,
Romania, 15-18 September 2016
On crown structures in trees
- *7/2016 7th European Congress of Mathematics, Berlin, Germany, 18-22 July 2016
On critical independent sets of a graph
- *7/2016 Tenth International Colloquium on Graphs and Optimization, Rigi Kaltbad, Switzerland,
10-14 July 2016
Monotonic properties of König-Egerváry collections in a graph
- *7/2016 Discrete Mathematics Days, Barcelona, Spain, 6-8 July 2016
Crowns in bipartite graphs
- *6/2016 16th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics
and Algorithms, Haifa, Israel, 27-30 June 2016
On 1-well-covered graphs
- *5/2016 The Japanese Conference on Combinatorics and its Applications (JCCA 2016),
Kyoto, Japan, 21-25 May 2016
1-well-covered graphs and partial unimodality of independence polynomials
- *9/2015 The 18th Japan Conference on Discrete and Computational Geometry and Graphs
(JCDCG² 2015), Kyoto, Japan, 14-16 September 2015
Unions of critical independent sets of a graph
- *9/2015 International Conference on Operations Research (OR 2015) – Optimal Decisions and
Big Data, Vienna, Austria, 1-4 September 2015
On critical independent sets in bipartite graphs
- *6-7/2015 The Eighth Congress of Romanian Mathematics, Iasi, Romania, 26 June-1 July 2015
The independence polynomial of a well-covered graph at -1
- *6/2015 15th Haifa Workshop on Interdisciplinary Applications of Graphs, Combinatorics and
Algorithms, Haifa, Israel, 22-25 June 2015
The value of the independence polynomial at -1: State of the art
- *6/2015 Workshop: Algorithmic Graph Theory on the Adriatic Coast (AGT on the AC), Koper,
Slovenia, 16-19 June 2015
All square roots of a König-Egerváry graph
- *9/2014 The 22nd Conference on Applied and Industrial Mathematics (CAIM 2014), Bacău,
Romania, 18-21 September 2014
On unique perfect matchings
- *8/2014 International Congress of Mathematicians (SEOUL ICM 2014), Seoul, Korea,
13-21 August 2014
On palindromic independence polynomials – a short survey

* Since last promotion

F. Papers presented at scientific meetings (unpublished), contd.

- *7/2014 20th Conference of the International Federation of Operational Research Societies (IFORS), Barcelona, Spain, 13-18 July 2014
On efficient unique maximum matching algorithms (Session: Combinatorial Structures)
- *7/2014 Ninth International Colloquium on Graphs and Optimization, Sirmione, Italy, 6-10 July 2014
Critical independent sets in graphs
- *6/2014 14th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 11-13 June 2014
On a linear unique maximum matching algorithm
- *3/2014 Forty-Fifth Southeastern International Conference on Combinatorics, Graph Theory & Computing, Florida, USA, 3-7 March 2014
What do independent sets of a connected bipartite graph have in common?
- 9/2013 9th International Conference on Applied Mathematics, dedicated to Prof. Emeritus Constantin Corduneanu on the occasion of his 85th Birthday, Baia Mare, Romania, 25-28 September 2013
Greedoids on vertex sets of B-joins of graphs
- 9/2013 The 21st Conference on Applied and Industrial Mathematics (CAIM 2013), Bucharest, Romania, 19-22 September 2013
Greedoids and unique perfect matchings
- 9/2013 International Conference on Operations Research, Rotterdam, The Netherlands, 3-6 September 2013
The intersection of all maximum independent sets and the intersection of all critical sets of a unicyclic graph are equal
- 6-7/2013 24th British Combinatorial Conference, London, UK, 30 June-5 July 2013
On f-symmetries of independence polynomials
- 5/2013 13th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics, and Algorithms, Haifa, Israel, 19-21 May 2013
On f-symmetries of independence polynomials
- 9/2012 XVI Latin-Ibero-American Conference on Operations Research-XLIV Brazilian Symposium on Operations Research (CLAIO-SBPO 2012), Rio de Janeiro, Brazil, 24-28 September 2012
A Greedoid on the vertex set of a very well-covered graph
- 8/2012 The 20th Conference on Applied and Industrial Mathematics (dedicated to Academician Mitrofan M. Ciobanu), Chişinău, Moldova, 22-25 August 2012
Critical sets in almost unicyclic König-Egerváry graphs
- 6/2012 SIAM Conference on Discrete Mathematics, Nova Scotia, Canada, 18-21 June 2012
Independent sets in almost König-Egerváry graphs
- 9/2011 The 19th Conference on Applied and Industrial Mathematics (CAIM 2011), Iasi, Romania, 22-25 September 2011
 - On independent sets in unicyclic graphs
 - Independence polynomials of the unicyclic graphs whose Fibonacci indexes are extremal

* Since last promotion

F. Papers presented at scientific meetings (unpublished), contd.

- 8-9/2011 European Conference on Combinatorics, Graph Theory and Applications (EuroComb '11), Budapest, Hungary, 29 August-2 September 2011
A characterization of König-Egerváry graphs using a common property of all maximum matchings
- 7/2011 International Conference on Theory and Applications in Mathematics and Informatics (ICTAMI 2011), Alba Iulia, Romania, 21-24 July 2011
On symmetry of independence polynomials
- 7/2011 Combinatorics Conference in Lisboa (CCL 2011), Lisbon, Portugal, 11-15 July 2011
On the intersection of all critical sets of a unicyclic graph
- 6-7/2011 The Seventh Congress of Romanian Mathematicians, Brasov, Romania, 29 June-5 July 2011
On the core of a unicyclic graph
- 6/2011 Infinite and Finite Sets, Rényi Institute of Mathematics, Budapest, Hungary, 13-17 June 2011
András Hajnal's "Clique Collection Lemma" revisited
- 5/2011 "Gheorghe Vrănceanu" National Conference on Mathematics and Informatics, 'Vasile Alecsandri' University of Bacău, Bacău, Romania, 26-28 May 2011
Independence polynomials of some graphs with extremal Fibonacci index
- 5/2011 11th Haifa Workshop on Interdisciplinary Applications of Graph theory, Combinatorics and Algorithms, Haifa, Israel, 17-19 May 2011
A family of graphs with polynomially computable cores
- 4/2011 Centre for Discrete Mathematics and its Applications (DIMAP) Workshop on Combinatorics and Graph Theory (CGT 2011), Warwick, England, 4-7 April 2011
A set and collection Lemma
- 17-18/12/2010 Workshop on Mathematics, Computer Science and Applications, Galati, Romania, 17-18 December 2010
Forests whose independence polynomials are palindromic and have only real roots
- 6-7/2010 Combinatorics 2010 (dedicated to the memory of Prof. Adriano Barlotti), Verbania, Italy, 27 June-3 July 2010
Interval Greedoids and local maximum stable sets
- 6/2010 ALIO-INFORMS Joint International Meeting, Buenos Aires, Argentina, 6-9 June 2010
The independence polynomial of antiregular graphs
- 5/2010 10th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms – in memory of the late Uri Natan Peled, University of Haifa, Israel, 23-25 May 2010
On the independence polynomial of a threshold graph
- 11/2009 The 7th Japan Conference on Computational Geometry and Graphs, Kanazawa, Japan, 11-13 November 2009
Critical independent sets and König-Egerváry graphs
- 9/2009 The 17th Conference on Applied and Industrial Mathematics, Constantza, Romania, 17-20 September 2009
Some properties of palindromic independence polynomials

F. Papers presented at scientific meetings (unpublished), contd.

- 9/2009 EuroComb 2009 – European Conference on Combinatorics, Graph Theory and Applications, Bordeaux, France, 7-11 September 2009
A new characterization of König-Egerváry graphs **[poster]**
- 9/2009 International Conference on Theory and Applications in Mathematics and Informatics (ICTAMI), Alba Iulia, Romania, 3-6 September 2009
On König-Egerváry square-stable graphs **[oral presentation]**
- 7/2009 22nd British Combinatorial Conference, St. Andrews, Scotland, UK, 5-10 July 2009
The value of the independence polynomial at -1
- 3/2009 Fortieth Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Florida, USA, 2-6 March 2009
Greedoids on vertex sets of unicycle graphs
- 8/2008 MOPTA 2008 : 8th Modeling and Optimization: Theory and Applications Conference, University of Guelph, Guelph, Canada, August 18-20, 2008
Graph Operations that are good for Greedoids **[poster]**
- 7/2008 Fifth European Congress of Mathematics, Amsterdam, Netherlands, 14-18 July 2008
Local maximum stable sets and Greedoids **[poster]**
- 6/2008 Combinatorial and Probabilistic Inequalities, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, 23-27 June 2008
Inequalities involving the coefficients of independence polynomials
- 6/2008 SIAM Conference on Discrete Mathematics, University of Vermont, Vermont, USA, 16-19 June 2008
Triangle-free graphs and Greedoids
- 3/2008 39th Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Florida Atlantic University, Boca Raton, Florida, USA, 3-7 March 2008
Graph operations and partial unimodality of independence polynomials
- 1/2008 Expert Workshop on Boolean Functions in Memory of Peter L. Hammer, Boolean Functions: Theory, Algorithms and Application, The Caesarea Edmond Benjamin de Rothschild Foundation, Institute for Interdisciplinary Applications of Computer Science, University of Haifa, Israel, 27-31 January 2008
Vertices belonging to all maximum stable sets of a tree
- 5/2007 7th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, The Caesarea Edward Benjamin de Rothschild Foundation Institute for Interdisciplinary Applications of Computer Science, Haifa, Israel, 14-16 May 2007
On very well-covered graphs of girth ≥ 4
- 3/2007 38th Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Florida Atlantic University, Florida, USA, 5-9 March 2007
Some structural properties of very well-covered graphs
- 9/2006 ICAM5 - 5th International Conference on Applied Mathematics, Baia Mare, Romania, 21-24 September 2006
A family of graphs whose independence polynomials are both palindromic and unimodal
- 9/2006 MAGT – International Mathematical Conference: Topics in Mathematical Analysis and Graph Theory, A satellite meeting to ICM 2006, Faculty of Electrical Engineering, Belgrade, Serbia, 1-4 September 2006
Partial unimodality for independence polynomials of some compound graphs

F. Papers presented at scientific meetings (unpublished), contd.

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- 3/2003 34th Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Florida Atlantic University, Florida, USA, 3-7 March 2003
A family of well-covered graphs with unimodal independence polynomials
- 2002 2nd Haifa Workshop on Interdisciplinary Applications of Graph Theory and Algorithms, The Caesarea Edmond Benjamin de Rothschild Foundation, Institute for Interdisciplinary Applications of Computer Science, University of Haifa, Israel
On unimodality of independence polynomials of some well-covered trees
- 2002 10th SIAM Conference on Discrete Mathematics, San Diego, CA, USA
Pendant vertices belonging to all maximum stable sets of a tree
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