PUBLICATIONS

Dalibor Froncek

Publications:

A. Dissertations:

B. Articles in refereed journals:
31. 3-halvable almost complete tripartite graphs, Opuscula Mathematica, 21, 2001, pp. 43–57.
36. Cyclic decompositions of complete graphs into spanning trees, Discussiones Mathematicae Graph Theory, 24 (2004), 345–353.
38. (with S. Winters) Another class of gracious bipartite graphs, Congressus Numerantium, 168 (2004), 65–70.
40. Orthogonal double covers of complete graphs by lobsters of diameter 4, Congressus Numerantium, 177 (2005), 25–32.
42. Note on factorizations of complete graphs into caterpillars with small diameters, JCMCC, 57 (2006), 179–186.


51. Fair incomplete tournaments with odd number of teams and large number of games, Congressus Numerantium, 187 (2007), 83–89.


56. (with S. Cichacz) Factorization of Kn,n into (0, j)-prisms, Information Processing Letters 109 (2009), 932–934.


58. α-β-labeling of graphs, Opuscula Mathematica, 29(4) (2009), 393–397.


60. Cyclic decompositions of complete graphs into K_{a,n}+e: The missing case, Congressus Numerantium, 198 (2009), 111–118.


65. (with M. Meszka) Factorizations of complete graphs into long double brooms, Congressus Numerantium, 206 (2010), 151–155.

66. (with P. Kovar and M. Kubesa) Factorizations of complete graphs into trees with at most four non-leave vertices, Graphs and Combinatorics, 27 (2011), 621–646.


73. (with S. Cichacz and M. Meszka) *Decomposition of complete graphs into small bipartite prisms*, Congressus Numerantium, 211 (2012), 133–140.


84. (with S. Cichacz) *Distance magic circulant graphs*, Discrete Math, 339 (2016), 84–94.


86. (with S. Cichacz, E. Krop, C. Raridan) *Distance magic Cartesian products of graphs*, Discussiones Mathematicae—Graph Theory, 36 (2) (2016), 299–308.


95. (with P. Kovar and T. Kovarova) *Note on a conjecture of Marimuthu et al.*, 1 page, J. Graph Labeling, submitted December 2015, accepted February 2016


99. (with S. Cichacz-Przenioslo and B. Freyberg) *Orientable Zn-distance magic graphs*, submitted to Discussiones Mathematicae—Graph Theory, February 2017, accepted September 2017

C. Articles in Conference Proceedings (referred):


108. (with S. Cichacz and P. Kovar) *Note on decomposition of Kn,n into (0, j)-prisms (Extended Abstract)*, Proceedings of IWOC 09 (International Workshop on Combinatorial Algorithms, Hradec nad Moravici 2009), 199–204.


D. Book Chapters:


E. Submitted Articles:

113. (with J. McKeown, J. McKeown, M. McKeown) *Vertex-magic edge* $\mathbb{Z}_{2nm}$-*labeling of* $C_n \times C_m$, 15 pages, submitted to Astralasian J. Combin., September 2017.

114. (with A. Shepanik) *Regular handicap graphs of order* $n \equiv 0 \mod 8$, submitted to El. J. Graph Th. Applic, 8 pages, November 2017.

F. Technical Reports:


G. Textbooks:

*Introduction to Graph Theory (in Czech)*, Silesian University Opava, 1999.
### Invited Lectures:

<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Title</th>
<th>Venue/Conference Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>Houghton</td>
<td>Balanced schedules of round robin tournaments</td>
<td>Michigan Technological University, Mathematical Sciences Awards Banquet</td>
</tr>
<tr>
<td>2003</td>
<td>Las Vegas</td>
<td>So you want to schedule a tournament...</td>
<td>The Seventeenth Midwest Conference on Combinatorics, Cryptography and Computing</td>
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<tr>
<td>2004</td>
<td>Vysne Ruzbachy</td>
<td>Incomplete and non-compact round robin tournaments</td>
<td>Czech-Slovak Conference GRAPHS 2004</td>
</tr>
<tr>
<td>2006</td>
<td>Banska Bystrica</td>
<td>Non-traditional round robin tournaments</td>
<td>Matej Bel University, Banska Bystrica, Slovakia</td>
</tr>
<tr>
<td>2007</td>
<td>Brno</td>
<td>Want to schedule an (un)fair tournament</td>
<td>Masaryk University, Brno, Czech Republic</td>
</tr>
<tr>
<td>2008</td>
<td>Pilsen</td>
<td>Magic-type labelings and tournament scheduling</td>
<td>Combinatorics Seminar of the Department of Mathematics, University of West Bohemia in Pilsen, Czech Republic</td>
</tr>
<tr>
<td>2008</td>
<td>Krynica</td>
<td>Labelings and decompositions</td>
<td>Kraków Workshop on Graph Theory &quot;3 in 1&quot;</td>
</tr>
<tr>
<td>2009</td>
<td>Chennai</td>
<td>Spanning factors with a given diameter and their applications to ad-hoc networks</td>
<td>invited lecture, 2\textsuperscript{nd} International Conference on Mathematics and Computer Science, Loyola College, Chennai, India</td>
</tr>
<tr>
<td>2009</td>
<td>Tamil Nadu</td>
<td>Recent advances in Rosa-type labelings of graphs</td>
<td>invited lecture, 5\textsuperscript{th} International Workshop on Graph Labelings 2009, Kalasalingam University, India</td>
</tr>
<tr>
<td>2010</td>
<td>Cochin</td>
<td>Incomplete round-robin tournaments and distance magic labelings</td>
<td>invited lecture, Special Session on Graph Labelings at the Satellite Conference of the International Congress of Mathematicians “International Conference on Recent Trends in Graph Theory and Combinatorics”, Cochin, India</td>
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<tr>
<td>2011</td>
<td>Las Vegas</td>
<td>Group distance magic labelings</td>
<td>keynote lecture, 25\textsuperscript{th} Midwestern Conference on Combinatorics, Cryptography, and Computing in Las Vegas</td>
</tr>
<tr>
<td>2011</td>
<td>Krynica</td>
<td>Distance magic and group distance magic graphs</td>
<td>20\textsuperscript{th} International Workshop on Graph Theory &quot;3 in 1&quot; Krynica, Poland</td>
</tr>
<tr>
<td>2012</td>
<td>Puncak</td>
<td>Latest developments in distance magic labeling</td>
<td>invited lecture, 7\textsuperscript{th} International Workshop on Graph Labelings 2012, Hotel Seruni, Puncak, Indonesia</td>
</tr>
<tr>
<td>2015</td>
<td>Bozi Dar</td>
<td>Kotzig arrays three generations later</td>
<td>50\textsuperscript{th} Czech-Slovak Conference GRAPHS 2015</td>
</tr>
<tr>
<td>2015</td>
<td>Houghton, MI</td>
<td>Distance magic and group distance magic graphs</td>
<td>invited lecture, Discrete Mathematics Seminar at Michigan Technological University, Houghton, MI</td>
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<tr>
<td>2016</td>
<td>Winnipeg, Canada</td>
<td>Rosa-type labelings, graph decompositions and factorizations</td>
<td>invited lecture, 2\textsuperscript{nd} MMMM Combinatorics Graduate Student Workshop, University of Manitoba, Winnipeg, Canada</td>
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<tr>
<td>2017</td>
<td>Hamilton, Canada</td>
<td>Decompositions of complete graphs and complete bipartite graphs into generalized prizms</td>
<td>Advanced Optimization Laboratory invited seminar, McMaster University, Hamilton, ONT, Canada</td>
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