



Name: Sylwia Cichacz-Przeniosła
Citizenship: Polish
E-mail: cichacz@agh.edu.pl
www: <http://home.agh.edu.pl/~cichacz>

PROFESSIONAL EXPERIENCE

- Sept 2003 – Aug 2010: Assistant at AGH University of Science and Technology, Cracow, Poland, Faculty of Applied Mathematics
- Sept 2010 – till now: Assistant Professor at AGH University Cracow, Poland, Faculty of Applied Mathematics
- March 2012 – June 2012: Postdoc at the University of Primorska, Koper, Slovenia
Faculty of Mathematics, Natural Sciences and Information Technologies
- Sept 2014 – May 2015: Visiting Assistant Professor at University of Minnesota Duluth, U.S.A.
Department of Mathematics and Statistics
- March 2018 – May 2018 : Visiting Professor at the University of Primorska, Koper, Slovenia
Faculty of Mathematics, Natural Sciences and Information Technologies

EDUCATION

- Nov 2008: AGH University of Science and Technology;
profile: Discrete Mathematics;
Ph.D. Thesis: "Arbitrarily decomposable graphs".
- Sept 2007 – May 2008: Fulbright Junior Scholarship nr 15072441
University of Minnesota Duluth, U.S.A.
- 1998 - 2003: AGH University of Science and Technology;
profile: Applied Mathematics;
the Master Thesis: "Applications of graph theory to statics".
- 1994 - 1998: High school in Ustrzyki Dolne, mathematics.

SCHOLARSHIPS GRANTS AND AWARDS

- Polish National Science Centre research grant „*Graph labeling and decompositions*” 2011/01/D/ST1/04104 Dec 2011– Nov 2016 (Project Manager and Principal Investigator).
- Rector’s AGH-UST Awards of 2nd degree for scientific achievements: 2009, 2015, 2016, 2019, 2021, 2022.
- Rector’s AGH-UST Awards of 3rd degree for scientific achievements: 2008, 2011, 2013, 2014, 2017, 2018, 2020.
- Rector’s AGH-UST Awards for didactic achievements: 2020, 2023.
- Rector’s Poznań University of Economics and Business a Group Prize of 2nd degree: 2016, 2017, 2019.
- Foundation for Polish Science grant for a visit to Istanbul, Turkey, June 2011.
- Polish Ministry of Education research grant „*Decompositions and coloring of graphs*” N201 1247/33, 2007–2010 (Investigator).
- Fulbright Junior Scholarship nr 15072441 at University of Minnesota, Duluth, U.S.A., Sept 2007 – May 2008.
- Foundation for Polish Science grant for a visit to Bled, Slovenia, July 2007
- Visegrad Scholarship nr S-016-2006 at Safarik University, Kosice, Slovakia, Oct 2006 – Feb 2007.
- Polish Ministry of Education Ph.D. research grant „*Arbitrarily decomposable graphs*” N201 036 31/3064, 2006–2008 (Principal Investigator).
- Erasmus-Socrates Program at TU Bergakademie Freiberg, Germany, Aug 2006.

- Awarded at MA thesis competition "Diamonds of AGH" at AGH-UST in 2003.
- CEEPUS fellowship at the Budapest University of Technology and Economics, Hungary, Feb 2003.

ADDITIONAL EXPERIENCE

July 2025:	Combinatorica o.p.s., Opava, Czech Republic One week science collaboration,
Jan 2025:	University of Primorska, Slovenia One week science collaboration,
Aug 2024:	University of Primorska, Slovenia Three weeks science collaboration,
Aug 2022:	Technical University of Kosice, Slovakia One week science collaboration,
June 2019:	University of Primorska, Slovenia One week science collaboration,
Oct 2018:	University of Minnesota Duluth, U.S.A. Five days science collaboration,
July 2017:	University of Primorska, Slovenia Two weeks science collaboration,
July 2016:	Combinatorica o.p.s., Opava, Czech Republic Five days science collaboration,
July 2016:	University of Primorska, Slovenia Two weeks science collaboration,
Jun–July 2014:	University of Primorska, Slovenia Six weeks science collaboration,
June 2014:	Combinatorica o.p.s., Opava, Czech Republic Ten days science collaboration,
April 2013:	Poznań University of Economics, Poland Three days science collaboration,
Jan 2013:	Combinatorica o.p.s., Opava, Czech Republic two days science collaboration,
May 2012:	University of Maribor, Slovenia Three days science collaboration,
Oct 2010:	University of Minnesota Duluth, U.S.A. One week science collaboration,
March 2008:	University of Vermont, Burlington, U.S.A. One week science collaboration,
Feb 2008:	McMaster University in Hamilton, Ontario, Department of Mathematics and Statistics, Canada One week science collaboration,

Illinois State University in Bloomington IL,
Department of Mathematics, U.S.A.

Feb 2008: One week science collaboration,
University of West Bohemia in Pilsen,
Department of Mathematics, Czech Republic.

Feb 2006: One week science collaboration,
July 2003: U-Cont Cracow, Poland, trainee.

CONFERENCES AND WORKSHOPS

1. VI Ogólnopolska Konferencja Naukowa "Oblicza Algebry", Poland, May 22–25, 2025
2. 12th Workshop '3in1' Graphs, Krynica, Poland, Nov 6–8, 2003².
3. XI Ogólnopolska Konferencja Nauczania Matematyki w Uczelniach Technicznych, Brenna, Poland, April 22–24, 2004².
4. 13th Workshop Cycles and Colourings, Tatranská Štrba, Slovakia, Sept 5–10, 2004¹.
5. Dni Matematyki Dyskretnej 2004, Zakopane, Poland.
6. Symposium on Computer Geometry SCG'2004, Kocovce, Slovakia¹.
7. 13th Workshop '3in1' Graphs, Krynica, Poland, Nov 11–13, 2004².
8. Symposium on Computer Geometry SCG'2005, Kocovce, Slovakia¹.
9. 14th Workshop Cycles and Colourings, Tatranská Štrba, Slovakia, Sept 4–9, 2005.
10. 14th Workshop '3in1' Graphs, Dobczyce, Poland, Nov 10–12, 2005².
11. Graphentheoretage 2005, Freiberg, Germany.
12. Sixth Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications, Prague, Czech Republic, July 10–15, 2006¹.
13. EMS Conference Horizon of Combinatorics, Lake Balaton, Hungary, July 16–22, 2006¹.
14. 15th Workshop Cycles and Colourings, Tatranská Štrba, Slovakia, Sept 4–8, 2006¹.
15. Fifth Cracow Conference on Graph Theory "USTROŃ '06" , Ustroń, Poland, Sept 11–15, 2006.^{1,2}
16. Symposium on Computer Geometry SCG'2006, Kocovce, Slovakia Oct 18–20, 2006¹.
17. Graphentheoretage, Freiberg, Germany, Dec 6–8, 2006.
18. 42nd Czech-Slovak Graph Theory Conference, Hradec nad Moravicí, Czech Republic, Jun 11–15, 2007¹.

19. 6th Slovenian International Conference on Graph Theory "Bled'07", Slovenia, Jun 24–30, 2007¹.
20. 21th Midwest Conference on Combinatorics, Cryptography and Computing, Charleston SC, USA, Oct 13–14, 2007¹.
21. 39th Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Boca Raton Fl, USA, March 3–7, 2008¹.
22. Mathematical Abundance Designs – Graphs – Number Theory, Bloomington IL, USA, April 18–19, 2008¹.
23. 17th Workshop Cycles and Colourings, Tatranská Štrba, Slovakia, Sept 7–12, 2008¹.
24. 2nd Polish Combinatorial Conference, Będlewo, Poland, Oct 17-21, 2008¹.
25. 17th Workshop '3in1' Graphs, Krynica, Poland, Nov 7–9, 2008.
26. 2nd Discrete Integration Meeting, Osieczany, Poland, May 27–28, 2009.²
27. 20th International Workshop on Combinatorial Algorithms, Hradec nad Moravicí, Czech Republic, June 28–29, 2009¹.
28. III Forum Matematyków Polskich, Krakow, Poland June 30 – July 2, 2009.²
29. Advanced Course on Optimization: Theory, Methods and Applications, Barcelona, Spain, July 20–24, 2009.
30. Colourings, Independence and Domination, Szklarska Poreba, Poland, Sept 20–25, 2009¹.
31. 18th Workshop '3in1' Graphs, Krakow, Poland, Nov 26–28, 2009.
32. Sixth Cracow Conference on Graph Theory "ZGORZELISKO '10", Zgorzelisko, Poland, Sept 12–17, 2010.
33. 7th International Workshop on Graph Labelings, Duluth MN, USA, Oct 20–22, 2010¹.
34. Midwest Graph Theory Conference L, Superior WI, USA, Oct 22–23, 2010.
35. 19th Workshop '3in1' Graphs, Kroczyce, Poland, Nov 25–27, 2010.
36. III Discrete Integration Meeting, Lviv, Ukraine, May 26–29, 2011.
37. 2nd Istanbul Design Theory, Graph Theory and Combinatorics Conference 27th, Istanbul, Turkey 27.06-01.07.2011¹.
38. Colourings, Independence and Domination, Szklarska Poreba, Poland, Sept 18–23, 2011¹.
39. 20th Workshop '3in1', Krynica, Poland, Nov 24–26, 2011¹.

40. 21st Workshop Cycles and Colourings, Novy Smokoviec, Slovakia, Sept 9–14, 2012¹.
41. 21th Workshop '3in1', Krakow, Poland, Nov 29–30, 2012¹.
42. Česko-Slovenská konference GRAFY 2014, Teplice nad Bečvou, Czech Republic, June 9–13, 2014¹.
43. The 2014 Central Fall AMS Section Meeting, Special Session on Graph and Hypergraph Theory, University of Wisconsin-Eau Claire, Eau Claire, WI, U.S.A., Sept 20–21, 2014¹.
44. 25th International Workshop on Combinatorial Algorithms, University of Minnesota Duluth, U.S.A., Oct 15–17, 2014¹.
45. 28th Midwest Conference on Combinatorics and Combinatorial Computing, University of Nevada Las Vegas, U.S.A. Oct 22–24, 2014¹.
46. 9th International Workshop on Graph Labelings, Krakow, Poland July 7–9, 2016².
47. 25th Workshop '3in1', Doslonce, Poland, Nov 16–19, 2016¹.
48. 26th Workshop Cycles and Colourings, Novy Smokoviec, Slovakia, Sept 3–8, 2017¹.
49. 5th Gdańsk Workshop on Graph Theory, Sopot, Poland, Sept 13–15, 2017¹.
50. 26th Workshop '3in1', Dosłońce, Poland, Oct 26–28, 2017¹.
51. 8th Cracow Conference on Graph Theory "RYTRO '18", Rytro, Poland, Sept 12–14, 2018¹.
52. 10th International Workshop on Graph Labelings, Muncie, Indiana, USA, Sept 26–28, 2018¹.
53. Midwest Graph Theory Conference LX, Fort Wayne Indiana, USA, Sept 28–29, 2018¹.
54. 32nd Midwest Conference on Combinatorics and Combinatorial Computing, Duluth, Minnesota, U.S.A., Oct 5–7, 2018¹.
55. 27th Workshop '3in1', Stryszawa, Poland, Nov 22–24, 2018¹.
56. 9th Slovenian International Conference on Graph Theory "Bled'19", Slovenia, Jun 23–26, 2019¹.
57. 27th British Combinatorial Conference, United Kingdom, July 29 – Aug 2, 2019¹.
58. Conference On the Trail of Women in Mathematics - in Honor of Sofia Kowalewska, Krakow, Poland, Aug 31 – Sept 2, 2019¹.
59. Jubileuszowy Zjazd Matematyków Polskich w stulecie PTM, Krakow, Poland, Sept 3–7, 2019¹.
60. 28th Workshop '3in1', Dosłońce, Poland, Nov 21–23, 2019¹.

61. 8th Polish Combinatorial Conference, Poland (online), Sept 14–18, 2020.
62. 29th Workshop Cycles and Colourings, Košice, Slovakia, Sept 6–10, 2021¹.
63. 11th International Workshop on Graph Labelings, online, Sept 22–23, 2021¹.
64. 9th Cracow Conference on Graph Theory "RYTRO '22", Rytro, Poland, June 9–10, 2022¹
65. 30th Workshop Cycles and Colourings, Novy Smokovec, Slovakia, Sept 8–9, 2022.
66. 8th Gdańsk Workshop on Graph Theory, Sopot, Poland, June 26–30, 2023¹.
67. 31st Workshop Cycles and Colourings, Novy Smokovec, Slovakia, Sept 5–8, 2023.
68. 9th Gdańsk Workshop on Graph Theory, Gdansk, Poland, June 16–21, 2024¹.
69. 12th International Workshop on Graph Labelings, Kraków, Poland, June 24–26, 2024².
70. Summit280, Budapest, Hungary, July 8–12, 2024¹.
71. 32st Workshop Cycles and Colourings, Poprad, Slovakia, Sept 8–13, 2024¹.
72. 10th Polish Combinatorial Conference, Będlewo, Poland, Sept 15-21, 2024¹.
73. VI Ogólnopolska Konferencja Naukowa "Oblicza Algebry", Kraków, Poland, May 22–25, 2025¹.
74. 15th Nordic Combinatorial Conference, Reykjavik, Iceland, June 16–18, 2025¹.
75. 33rd Workshop Cycles and Colourings, Novy Smokovec, Slovakia, Sept 3–5, 2025¹.
76. 10th Cracow Conference on Graph Theory, Cracow, Poland, September 22–26, 2025^{1,2}

¹ giving a talk

² The Organizing Committee

INVITED LECTURES

1. *Magic structures*, invited course at 7th Winter School on Discrete Mathematics, National Autonomous University of Mexico, Mexico, 2026.
2. *Zero-sum sets on Abelian groups in graphs*, 32nd Workshop on Cycles and Colourings, Poprad, Slovakia, 2024.
3. *Critical bipartite graphs and their properties*, "CaRT 2023" (Combinatorics and related topics), online, 2023.

4. *A group irregular labeling of digraphs*, 11th International Workshop on Graph Labelings, online, 2021.
5. *Partition of sets and its applications in graph labeling*, 32nd Midwest Conference on Combinatorics and Combinatorial Computing, Duluth, Minnesota, U.S.A. 2018.
6. *Old and new open problems on distance magic-type labeling*, 10th International Workshop on Graph Labelings, Muncie, Indiana, U.S.A. 2018.
7. *Union of distance magic graphs*, AMS Special Session on Graphs and Hypergraphs, Eau Claire Wisconsin, U.S.A., 2014.
8. *Distance magic types of labelings*, Cesko-Slovenska konference GRAFY 2014, Teplice nad Bečvou, Czech Republic, 2014.

CONFERENCE TALKS

1. *Group distance magic cubic graphs*, 10th Cracow Conference on Graph Theory, Poland, 2025.
2. *On the conjecture of group antimagic trees*, 33rd Workshop Cycles and Colourings, Slovakia, 2025.
3. *Magic squares on Abelian groups*, 15th Nordic Combinatorial Conference, Iceland, 2025.
4. *Podział skończonej grupy przemiennej na podzbiory o sumie zero VI Oblicza Algebry*, Poland, 2025.
5. *Disjoint zero-sum sets in Abelian groups*, 10th Polish Combinatorial Conference, Poland, 2024.
6. *On A-cordial trees*, Summit280, Hungary, 2024.
7. *On A-cordial caterpillars*, 9th Gdańsk Workshop on Graph Theory, Poland, 2024.
8. *Minimal k-critical bipartite graphs*, 8th Gdańsk Workshop on Graph Theory, Poland, 2023.
9. *A group irregular labeling of digraphs*, 9th Cracow Conference on Graph Theory "RY-TRO '22", Poland, 2022.
10. *On some graph-cordial Abelian groups*, 29th Workshop Cycles and Colourings, Slovakia, 2021.
11. *Minimal biregular k-critical bipartite graphs*, 28th Workshop '3in1', Poland, 2019.

12. *Realization of digraphs in Abelian groups*, Jubileuszowy Zjazd Matematyków Polskich w stulecie PTM, Poland, 2019.
13. *A magic rectangle set on Abelian groups*, Conference On the Trail of Women in Mathematics, Poland, 2019.
14. *Realization of digraphs in Abelian groups*, 27th British Combinatorial Conference, United Kingdom, 2019.
15. *Group distance magic labeling of hypercubes*, 9th Slovenian International Conference on Graph Theory "Bled'19", Slovenia, 2019.
16. *Realization of digraphs in Abelian groups*, 27th Workshop '3in1', Poland, 2018.
17. *Linear bounds on nowhere-zero group irregularity strength and nowhere-zero group sum chromatic number of graphs*, Midwest Graph Theory Conference, Fort Wayne IN, U.S.A., 2018.
18. *Group edge irregularity strength of graphs and harmonious order of graphs*, 8th Cracow Conference on Graph Theory "RYTRO '18", Poland, 2018.
19. *Group twin coloring of graphs*, 26th Workshop '3in1', Poland, 2017.
20. *The zero sum partition of Abelian groups and its applications*, 5th Gdańsk Workshop on Graph Theory, Poland, 2017.
21. *Group irregularity strength of disconnected graphs*, 26th Workshop Cycles and Colourings, Slovakia, 2017.
22. *On constant sum-partition of Abelian groups and group distance magic labeling*, 25th Workshop '3in1', Poland, 2016.
23. *Spectra of graphs and closed distance magic labelings*, 28th Midwest Conference on Combinatorics and Combinatorial Computing, Las Vegas NV, U.S.A., 2014.
24. *A Γ -magic rectangle set and group distance magic labeling*, 25th International Workshop on Combinatorial Algorithms, Duluth MN, U.S.A., 2014.
25. *Group irregularity strength of connected graphs*, 21st Workshop '3in1', Poland, 2012.
26. *Distance magic labeling of product of two graphs*, 21st Workshop Cycles and Colourings, Slovakia, 2012.
27. *(H, k) -stability of graphs, Colourings, Independence and Domination*, Szklarska Poreba, Poland, 2011.
28. *On (C_n, k) stable graphs*, 2nd Istanbul Design Theory, Graph Theory and Combinatorics Conference, Istanbul, Turkey, 2011.

29. *A note on k -cordial p -uniform hypertrees*, International Workshop on Graph Labelings, Duluth MN, U.S.A 2010.
30. *k -cordial p -uniform hipertrees*, Colourings, Independence and Domination, Szklarska Poreba, Poland, 2009.
31. *Decomposition of $K_{n,n}$ into $(0, j)$ -prisms*, 20th International Workshop on Combinatorial Algorithms, Czech Republic, 2009.
32. *Super edge-graceful paths and cycles*, 17th Workshop Cycles and Colourings, Slovakia, 2008.
33. *Super edge-graceful paths*, Mathematical Abundance Designs – Graphs – Number Theory, U.S.A., 2008.
34. *2-splittable and cordial graphs*, 39th Southeastern International Conference on Combinatorics, Graph Theory, and Computing, U.S.A., 2008.
35. *Decomposition into trails*, 21th Midwest Conference on Combinatorics, Cryptography and Computing, U.S.A., 2007.
36. *Arbitrarily decomposition into open and closed trails*, 6th Slovenian International Conference on Graph Theory "Bled'07", Slovenia, 2007.
37. *The open trails in digraphs*, 42nd Czech-Slovak Graph Theory Conference, Czech Republic, 2007.
38. *Computer Aided Visualization of Problems Related to Polyhedra*, Symposium on Computer Geometry SCG, Slovakia, 2006.
39. *Decomposition of complete bipartite graphs into open trails*, Fifth Cracow Conference on Graph Theory "USTRON '06", Poland, 2006.
40. *Decomposition of complete bipartite graphs into trails*, 15th Workshop Cycles and Colourings, Slovakia, 2006.
41. *Decomposition of complete bipartite graphs into open trails*, EMS Conference Horizon of Combinatorics, Hungary, 2006.
42. *Decomposition of complete bipartite digraphs and even complete bipartite multigraphs into closed trails*, Sixth Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications, Czech Republic, 2006.
43. *Application of the Flash MX Program to Visualization of Selected Metric Problems*, Symposium on Computer Geometry SCG, Slovakia, 2005.
44. *Application of B-spline to Representation of Selected Lines and Surfaces*, Symposium on Computer Geometry SCG, Slovakia, 2004.

45. *Arbitrarily vertex decomposable caterpillars*, 13th Workshop Cycles and Colourings, Slovakia, 2004.

COLLOQUIA LECTURES

1. *Path eccentricity and forbidden induced subgraphs*, department colloquium AGH, Poland, 2025.
2. *Group edge cordial labeling of graphs and its implications for A-antimagic labeling of trees*, DiMaS Seminář diskretní matematiky, VSB - Technical University of Ostrava, Czech Republic, 2025.
3. *Application of zero-sum sets in magic-type and antimagic-type graph labeling*, Combinatorics Today Series, Institut Teknologi Bandung, Indonesia, online, 2025.
4. *Application of zero-sum sets graph labeling*, department colloquium Warsaw University of Technology, Poland, 2025.
5. *Magic squares in finite Abelian groups*, department colloquium AGH, Poland, 2025.
6. *On the Conjecture of group antimagic trees*, department colloquium AGH, Poland, 2024.
7. *Irregular labeling on Abelian groups of digraphs*, department colloquium AGH, Poland, 2023.
8. *On some graph-cordial Abelian groups*, department colloquium Warsaw University of Technology, Poland, 2022.
9. *Minimal k -critical bipartite graphs*, department colloquium University of Gdansk, Poland, 2022.
10. *On some graph-cordial Abelian groups*, department colloquium AGH, Poland, 2022.
11. *Magic hypercubes*, department colloquium AGH, Poland, 2021.
12. *A magic rectangle set on finite Abelian groups*, department colloquium Poznań University of Economics and Business, Poland, 2019.
13. *A magic rectangle set on finite Abelian groups*, department colloquium AGH, Poland, 2019.
14. *Realization of digraphs in finite Abelian groups*, department colloquium Warsaw University of Technology, Poland, 2019.
15. *Realization of digraphs in finite Abelian groups*, department colloquium AGH, Poland, 2019.

16. *Application of constant sum partition of sets into graph labeling*, department colloquium AGH, Poland, 2018.
17. *Labeling of graphs by elements of Abelian groups*, department colloquium Adam Mickiewicz University, Poland, 2018.
18. *A magic rectangle set on Abelian groups*, Graduate Colloquium, University of Minnesota Duluth, U.S.A. 2018.
19. *The zero sum partition of Abelian groups and its applications*, Mathematical Research Seminar University of Primorska, Slovenia, 2018.
20. *A V_4 -cordial labeling of uniform hypertrees*, department colloquium AGH, Poland, 2018.
21. *Group irregularity strength of disconnected graphs*, department colloquium AGH, Poland, 2017.
22. *Zero-sum partition of Abelian groups*, department colloquium Adam Mickiewicz University, Poland, 2017.
23. *Sum partition into sets of the same order*, department colloquium AGH, Poland, 2017.
24. *Survey on group distance magic graphs*, department colloquium Warsaw University of Technology, Poland, 2017.
25. *Distance magic labeling*, department colloquium AGH, Poland, 2016.
26. *Games on map coloring*, Seminar GRATKO, University of Wisconsin-Superior, U.S.A., 2015.
27. *Survey on distance magic graphs*, Graduate Colloquium, Michigan Technological University, Houghton, Michigan U.S.A. 2014
28. *Group irregularity strength of graphs*, Graduate Colloquium, University of Minnesota Duluth, U.S.A. 2014.
29. *Magic labelings*, department colloquium AGH, Poland, 2014.
30. *Distance magic circulant graphs*, department colloquium AGH, Poland, 2013.
31. *Group irregularity strength of graphs*, department colloquium Warsaw University of Technology, Poland, 2013.
32. *Group sum chromatic number of graphs*, department colloquium AGH, Poland, 2012.
33. *Distance magic graphs*, department colloquium University of Maribor, Slovenia, 2012.
34. *Distance magic hypercycles*, department colloquium AGH, Poland, 2011.
35. *k-cordial hypertrees*, department colloquium AGH, Poland, 2009.

36. *Decomposition into trails*, department colloquium Adam Mickiewicz University, Poland, 2009.
37. *Arbitrarily decomposable graphs*, department colloquium Warsaw University of Technology, Poland, 2008.
38. *Factorization of $K_{n,n}$ into $(0, j)$ -prisms*, department colloquium AGH, Poland, 2008.
39. *Polish System of Education*, Undergraduate Colloquium, UMD, U.S.A. 2008.
40. *Stefan Banach and "The Scottish Book"*, Undergraduate Colloquium, UMD, U.S.A. 2008.
41. *Factorization of $K_{n,n}$ into $(0, j)$ -prisms*, department colloquium Illinois State University, U.S.A., 2008.
42. *Decompositions of graphs into trails*, Seminar GRATKO, University of Minnesota Duluth, U.S.A., 2007.
43. *Arbitrarily decomposable graphs*, department colloquium AGH, Poland, 2007.
44. *Decompositions of bipartite graphs into trails*, department colloquium University of P. Safarik in Kosice, Slovakia, 2006.
45. *Decompositions of graphs into trails*, department colloquium TU Bergakademie Freiberg, Germany, 2006.
46. *Decompositions of bipartite graphs into trails*, department colloquium AGH, Poland, 2006.
47. *Arbitrarily vertex decomposable caterpillars*, department colloquium AGH, Poland, 2005.
48. *Decompositions of graphs into closed trails of even sizes*, department colloquium University of West Bohemia in Pilsen, Czech Republic, 2005
49. *Decompositions of bipartite digraphs into trails*, department colloquium AGH, Poland, 2004
50. *Applications of graph theory in static*, department colloquium AGH, Poland, 2003.

TEACHING

AGH University of Science and Technology:

Abstract Algebra
Graphs and Networks
Extremal Combinatorics
Discrete Mathematics
Discrete Mathematics (English)
Descriptive Geometry
Higher Algebra (English)
Linear Algebra
Linear Algebra (English)
Linear Programming
Mathematics for Engineers
Mathematical Analysis I
Mathematical Analysis II
Probability and Statistics
Selected Aspects of Higher Mathematics
Selected Aspects of Higher Mathematics (English)
Software Engineering

University of Primorska (English):

Descriptive Geometry
Selected topic in Abstract Algebra

University of Minnesota Duluth (English):

MATH 3355 Discrete Mathematics
MATH 4326 Linear Algebra
MATH 5527 Advanced Linear Algebra

SKILLS

<i>Languages</i>	Polish (mother tongue) English (fluent) Russian (fair)
<i>Software</i>	HTML, L ^A T _E X

REFEREEING

Referee for journals:

- AIMS Mathematics,

- AKCE International Journal of Graphs and Combinatorics,
- Ars Combinatoria,
- Ars Mathematica Contemporanea,
- Asian-European Journal of Mathematics,
- Australasian Journal of Combinatorics,
- Bulletin of the Institute of Combinatorics and its Applications,
- Bulletin of the Iranian Mathematical Society,
- Bulletin of the Malaysian Mathematical Sciences Society,
- Central European Journal of Mathematics,
- Computational and Applied Mathematics,
- Discrete Applied Mathematics,
- Discrete Mathematics,
- Discrete Mathematics & Theoretical Computer Science,
- Discussiones Mathematicae Graph Theory,
- Electronic Journal of Combinatorics,
- Electronic Journal of Combinatorics,
- Graphs and Combinatorics,
- International Journal of Mathematics and Mathematical Sciences,
- Information Processing Letters,
- Iranian Journal of Mathematical Sciences and Informatics,
- Journal of Combinatorial Designs,
- Journal of Combinatorial Optimization,
- Journal of Graph Theory,
- Open Mathematics,
- Opuscula Mathematica,
- Punjab University Journal of Mathematics,
- Research in the Mathematical Sciences,

- Utilitas Mathematica.

Referee for:

- Conference IWOCA 2018, 2024
- Master Thesis Award by Polish Information Processing Society, 2018
- Hungarian National Research Development and Innovation Office, 2022

MEMBER OF EDITORIAL BOARD

- Ars Combinatoria
- Indonesian Journal of Combinatorics
- Open Mathematics

SYLWIA CICHACZ-PRZENIOSŁO-LIST OF PUBLICATIONS

1. S. CICHACZ, A. GÖRLICH, K. SUCHAN, *Minimum k -critical-bipartite graphs: the irregular Case*, *Opuscula Mathematica* **46** (2026), to appear.
2. S. CICHACZ, Š. MIKLAVIČ, *Group distance magic cubic graphs*, accepted for publication in *Discussiones Mathematicae - Graph Theory* (2025), [doi:10.7151/dmgt.2613](https://doi.org/10.7151/dmgt.2613).
3. S. CICHACZ, *Disjoint zero-sum subsets in Abelian groups and their application – survey*, accepted for publication in *Bolyai Society Mathematical Studies* (2025).
4. S. CICHACZ, *Irregular graph labelings in Abelian groups*, *Ars Mathematica Contemporanea* (2025), [doi:10.26493/1855-3974.3380.cb8](https://doi.org/10.26493/1855-3974.3380.cb8).
5. S. CICHACZ, D. FRONCEK, *Magic squares on Abelian groups*, *Discrete Mathematic* **349(7)** (2026), 115033, [doi:10.1016/j.disc.2026.115033](https://doi.org/10.1016/j.disc.2026.115033).
6. S. Cichacz, R. Zuazua, *Total balanced antimagic labeling*, *Journal of Combinatorial Mathematics and Combinatorial Computing* **129** (2026) 57–62. [doi:10.61091/jcmcc129-05](https://doi.org/10.61091/jcmcc129-05).
7. S. CICHACZ, M. DZÚRIK, *Combinatorial spectra using polynomials*, *Archivum Mathematicum* **61(4)** (2025), 151–165.
8. S. CICHACZ, B. KRUPIŃSKA, *Group irregularity strength of disconnected graphs*, *Discrete Mathematics* **348(9)** (2025), 114548. [doi:10.1016/j.disc.2025.114548](https://doi.org/10.1016/j.disc.2025.114548).
9. S. CICHACZ, *E_A -cordial labeling of graphs and its implications for A -antimagic labeling of trees*, *Discrete Mathematics* **348** (2025) 114493, [doi:10.1016/j.disc.2025.114493](https://doi.org/10.1016/j.disc.2025.114493).
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