Boštjan Brešar – CV

Affilitation:
- University of Maribor, Faculty of Natural Sciences and Mathematics, Slovenia
- Institute of Mathematics, Physics and Mechanics, Ljubljana, Slovenia

Education
- BS in Applied Mathematics, University of Ljubljana, 1994
- MS in Computer Science, University of Maribor, 1998
- Ph.D. in Mathematics, University of Maribor, 2000

Positions
1996 - 2001: assistant for mathematics (University of Maribor);
2001-present: professor for mathematics (University of Maribor);
since 2011: full professor for mathematics (University of Maribor)

Scientific publications: over 130 scientific papers published in international mathematical journals.

Book: B. Brešar, M. Henning, S. Klavžar, D. Rall, *Domination Games Played on Graphs,* SpringerBriefs in Mathematics, Springer, Cham, 2021.

Book chapter
- B. Brešar, M. Kovše, A. Tepeh, Geodetic sets in graphs, in: M. Dehmer ed., Structural Analysis of Complex Networks, Birkhäuser, Boston, 2010; 197-218.
- B. Brešar: Rainbow domination in graphs, in: *Topics in Domination in Graphs*, T. Haynes, S. Hedetniemi, M. Henning, eds., Developments in Mathematics, Springer, Cham, 2020; 411-443.

Awards: Slovenian national award ("Zoisovo priznanje") for important scientific achievements in graph theory; 2019.

h-index: 32; **i10-index**: 87

Editorial work:
- Section Editor for *Discrete Mathematics and Theoretical Computer Science,* since 2015
- Guest Editor for the special issue of *Discrete Applied Mathematics; »*Algorithmic Graph Theory on the Adriatic Coast", Volume 231, Pages 1-234 (2017)
- Member of the Editorial board of *Discussiones Mathematicae, Graph Theory*, since 2017
- Editor-in-Chief for *Indian Journal of Discrete Mathematics*, since 2021
- Section editor for *The Art of Discrete and Applied Mathematics,* since 2023

Referee
- Serving regularly as the referee for over 25 journals in mathematics.
- Serving as the reviewer for Mathematical Reviews (MathSciNet).

Research project grants, principal investigator:
- ARRS, Slovenia: Z1-3073 Structural and algebraic properties of graph classes; 2001-2004
- ARRS, Slovenia: J1-2043 Graphs and related mathematical structures; 2009-2012
- ARRS, Slovenia: J1-9109 Contemporary invariants of graphs; 2018-2021

Bilateral project grants, principal investigator:
- University P.J.Safarik (Kosice, Slovakia) 2008-2009 and 2010-2011
- Université de la Mediterranée (Marseille, France); 2010-2011
- University of Buenos Aires, (BA, Argentina); 2012-2014
- Université Bordeaux 1 (Bordeaux, France); 2013-2014
- Université du Bourgogne (Dijon, France); 2018-2019
- Trinity college (Hartford, CT, USA); 2019-2021

Invited talks at foreign institutions: University of Leoben (2000, 2004), Hereditarnia Club, University of Zielona Gora (2004) University of Košice (2006, 2009), Clemson University (2008), University of Vienna (2012), AGH University Krakow (2022), Alfréd Rényi Institute of Mathematics (2022).

Invited talk at the event "Odlični v znanosti 2013" ("Excellent in Science 2013") organized by the Slovenian Research Agency (ARRS), Ljubljana, December 2014.

Invited talks at conferences
- Algebraic Graph Theory 2009, invited talk at 'Gert Sabidussi is 80', Dubrovnik, Croatia, June 2009
- International Conference on Recent Trends in Graph Theory and Combinatorics, invited talk at minisymposium , Cochin, India, August 2010.
- 7th Slovenian International Conference on Graph Theory, invited speaker and organizer of a minisymposium, Bled, Slovenia, June 2011
- *Quinto Seminario de la Red* Latinoamericana Optimización Discreta y Grafos: Algoritmos y Aplicaciones, invited talk, Buenos Aires, Argentina, November 2012
- Indo-Slovenia Conference on Graph Theory and Applications, invited speaker, Trivandrum, Indian, February 2013
- CSASC 2013 Joint Mathematical conference, invited talk at a minisymposium, Koper, Slovenia, June 2013
- 23rd Workshop on Cycles and Colourings, invited plenary talk, High Tatras, Slovakia, September 2013
- 26th Workshop '3in1', invited talk, Dosłonce, Poland, October 2017
- International Conference on Discrete Mathematics, invited talk, Salem, India, January 2018
- Conference ICDM 6, invited talk, Tiruchirapalli, India, December, 2018
- 18 Workshop on Graph Theory - CID, Piechowice, Poland, September, 2019
- International workshop on Domination in Graphs, online, Ropar IIIT, India, November 2021
- Metric graph theory and related topics, Marseille, France, December 2021
- International Conference on Theoretical and Computational Graph Theory, Erode, India, January 2024

PhD students
Finished:
- Aleksandra Tepeh (Horvat), 2009
- Tadeja Kraner Šumenjak, 2009
- Karl Benkič (co-supervisor), 2010
- Tanja Gologranc, 2013
- Tim Kos, 2019
- Jasmina Ferme, 2022
- Daša Mesarič Štesl, 2022

Ongoing:
- Jaka Hedžet, 2021-

Professional duties

- 2011-2022: member of the Senate of the Faculty of Natural Sciences and Mathematics, University of Maribor
- 2012-2016: deputy dean for research and graduate studies (Faculty of Natural Sciences and Mathematics, University of Maribor)
- 2016-2020: deputy dean for research and international affairs (Faculty of Natural Sciences and Mathematics, University of Maribor)
- Memberships in **committees** at University of Maribor: Scientific research committee (2012-2020), Graduate studies committee (2012-2020), Statute committee (2015-2017), International and inter-university cooperation (2016-2020), Counsil of the Doctoral school of the University of Maribor (2019-2023)
- Member of the Senate of the University of Maribor, 2023-present

Organizing committees of conferences:

- 5th Slovenian International Conference on graph Theory, Bled, June, 2003
- 28th Ljubljana - Leoben Graph Theory Seminar, Koper, Sept., 2014
- 8th Slovenian Conference on graph Theory, Kranjska Gora June, 2015
- 30th Ljubljana - Leoben Graph Theory Seminar, Maribor, Sept., 2017
- 9th Slovenian Conference on graph Theory, Bled, June, 2019
- Maribor Graph Theory Conference (chair of organizing and program committee), Maribor, Sept. 2022
- Workshop on Games on Graphs (main organizer), Rogla, Slovenia, June 2023

Conference scientific committees:

- Indo-Slovenia Conference on Graph Theory and Applications (Indo-Slov-2013), Trivandrum, 2013
- 1st Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2015), Kanpur, 2015
- Algoritmic Graph Theory on the Adriatic coast (AGTAC 2015), Koper, 2015
- 2nd Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2016), Trivandrum, 2016
- 3rd Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2017), Goa, 2017
- 30th Ljubljana - Leoben Graph Theory Seminar, Maribor, 2017
- 4th Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2018), Guwahati, 2018
- 5th Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2019), Kharaghpur, 2019
- 6th Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2020), Hyderabad, 2020
- 7th Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2021), Ropar, 20218th Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2022), Puducherry, 2022

December, 2023