

Biosketch of Richard A. Brualdi

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Highest Degree: Ph.D., Syracuse University, 1964.

Areas of Specialization: Combinatorics, Graph Theory, Linear Algebra and Matrix Theory, Coding Theory.

Academic Position: University of Wisconsin - Madison since 1965; (Full) Professor 1971–2008; UWF Beckwith Bascom Professor of Mathematics 2004-2008 (now emeritus).

Awards and Honors: (1) NATO Postdoctoral Fellow (1969-1970); (2) National Academy of Sciences Exchange Scholar at the Mathematical Institute in Budapest (1974); (3) Chancellor's Award for Excellence in Teaching at UW-Madison (1986); (4) Euler Medal (2000) for a lifetime career of distinguished contributions to combinatorial research by a member of The Institute of Combinatorics and its Applications (ICA); (5) International Linear Algebra (ILAS) Prize (2005) for lifetime contributions.

Recent Significant Invited Addresses: (1) American Mathematical Society-Mathematical Association of America (AMS-MAA) plenary lecture at the annual joint meetings in San Antonio, TX (1993); (2) Society for Industrial and Applied Mathematics (SIAM) Conference on Applied Linear Algebra, Snowbird, UT, plenary lecture (1997); (3) National University of Ireland Workshop on Nonnegative Matrices. plenary lecture, (2004); (4) British Combinatorics Conference (Reading, UK), plenary lecture (2007). (5) Spectral Graph Theory Workshop (Rio de Janeiro, Brazil), plenary lecture and member of the Scientific Comm. (2008). (6) ILAS Meeting, Pisa, 2010 (7) Combinatorics Conference, Verbania Italy 2010, (8) Coimbra Conference on $(0, 1)$ -matrices, 2010 (9) Australian Combinatorics Conference, December 2010.

Other Scientific Activities: (1) Board of Governors, Institute of Mathematics and its Applications (IMA) at University of Minnesota, 1988-1991; (2) Chair of the organizing committee for the IMAS's special year on Applied Linear Algebra, 1991-1992; (3) President, International Linear Algebra Society, 1996-2002; (4) Board of Trustees, Mathematical Sciences Research Institute-Berkeley (MSRI), 1999-2002; (5) Elected member of the Editorial Boards Committee of the American Mathematical Society (2003–2007), Chair 2004-2005. Committee on Publications of the American Mathematical Society 2010-2012.

Recent University Service: (1) Chair of the Mathematics Department, 1993-1999; (2) College of Letters and Science (L&S) Curriculum Committee (5 years, chair for 3 years); (3) Chair of the Campus Committee for the Implementation of the Quantitative Reasoning Requirement (1994-96); (4) Elected member of L&S Academic Planning Council, 2003-2006; (5) Elected member of the Faculty Commission on Compensation and Economic Benefits, 2004-07.

Editorial Boards: (1) Co-editor-in-Chief of the journal *Linear Algebra and Its Applications*, 1979-present; (2) Co-editor-in-chief of the *Electronic Journal of Combinatorics*, 2001-present; (3) Current member of the editorial boards of six other journals including *Discrete Mathematics*, *Mathematical and Computer Modelling*, and *Electronic Journal of Linear Algebra*.

Publications: (1) Approximately 200 papers in a variety of journals; (2) six books: *Introductory Combinatorics*, (1977), 5th ed. (2008), Prentice-Hall; *Combinatorial Matrix Theory* (1991) (with H.J. Ryser), Cambridge; *Matrices of Sign-Solvable Linear Systems* (1995) (with B.L. Shader), Cambridge; *Combinatorial Matrix Classes* (2006), Cambridge, *Combinatorial Approach to Matrix*

Theory and Applications (2008) (with D. Cvetkovic), CRC Press. *The Mutually Beneficial Relationship of Graphs and Matrices*, (2011), CBMS No. 15. American Math. Society.

Ph.D. Students: 35 plus 2 in progress.

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