Curriculum Vitae

<div align="right">**February 9th, 2015**</div>

Surname: Matuszewski

First name: Roman

Nationality: Polish

Scientific position: Associate Professor

Affiliation and office address:
University of Białystok
Faculty of Philology
Department of Applied Linguistics
Plac Uniwersytecki 1, 15-420 Białystok, Poland
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Education:

Ph.D. in Computer Science: 2000; Shinshu University, Nagano, Japan;

Master Degree in Mechanics: 1975;
Warsaw Technical University, Poland;

Employment:

- 2004 – present; Faculty of Philology, University of Białystok; Associate Professor
- 1997 – 2004; The Chair of Logic, Informatics and Philosophy of Science, University of Białystok; Senior scientific specialist
- 1975 – 1997; Institute of Mathematics, Warsaw University, Białystok Branch; Assistant Professor

Scientific Visits:

- Shinshu University, Department of Information Engineering, Nagano, Japan;
one month: 2013, 2009, 2004, 2000, 1996;
scientific exchange
- Universite Catholique de Louvain, Institute of Mathematics, Louvain-la-Neuve, Belgium; 1984 – 1992;
scientific exchange
- Deutsche Lehranstalten fur Agrartechnik (DEULA), Nienburg, Germany; 1986 – 1987;
scientific exchange

Conferences:

- Conference Chair *"Mathematical Knowledge Management"*, MKM2004, Bialowieza, Poland, September 19–21, 2004
- Conference Chair *"The QED Workshop II"*, Warsaw, July 1995
- Co-organizer of the series of workshops *"Technologies of Knowledge Exploration and Representation"* in Holny Meyera, Poland, September, 2006–2014
- Program Committee Member *"Presentations and Transformations of Proofs"*, PTP-01, in connection with IJCAR 2001, Siena, Italy, June 19, 2001

- *"On some algorithm of Wroclaw taxonomy"*, XIV Quantitative Methods in Economics, SGGW, Warsaw, June 20–21, 2013
- *"Taxonomical Classification of CD34+ Hematopoietic Stem Cells"*, International Symposium on Bioengineering and Regenerative Medicine, Mulhouse, France, August, 2007
- *"Computer Checked Mathematical Texts Presented in Natural Language"*, International Congress of Mathematicians, ICM 2006, Madryt, Spain, August 22–30, 2006
- *"Philippe le Hodey Foundation - supporting scientific research in Poland"*, VI Quantitative Methods in Economics, SGGW, Warsaw, June, 2005
- *"History of the Mizar Project"*, 30 Years of Mizar, Bialowieza, September 18, 2004
- *"Mizar texts automatically translated into English"*, Systems for Integrated Computation and Deduction, CADE 1999, Trento, 1999,
- *"Automatic Translation of Machine-Checked Mathematical Texts into English"*, 11-th International Congress of Logic, Methodology and Philosophy of Science, Kraków, Poland, August 20–26, 1999
- *"Journal of Formalized Mathematics - a collection of mechanically checked articles"*, International Congress of Mathematicians, ICM 98, Berlin, 1998
- *"Mizar MSE - a computer aided course for elementary logic of quantifiers"*, International Congress of Mathematicians, ICM 94, Zurich, 1994

Grants:

- co-principial investigator in the Santander Project *"Mathematical model of the impact of work ethicality on labor productivity for education at the university level in Europe (YMER)"*, 2013–2014
- Grant N N519 385136 *"Management of a large repository of computer verified mathematical knowledge"*, 2009–2012, granted by Polish National Science Centre
- Grant 3 T11F 011 30 *"Temporal representation of the knowledge and their implementation in the medical systems"*, 2006–2009, granted by the Polish Ministry of Science
- 6FP EU Project TYPES II (IST-2002-C-510996) *"Types for Proofs and Programs"*, 2004–2008
- KBN Grant 4 T11C 039 24 *"New Techniques of Computer Aided Formalization of Mathematics"*, April 23, 2003 – February 22, 2006, granted by State Committee for Scientific Research
- KBN Grant 2 H01A 030 25 *"Undecidability and Algorithmic Intractability in the Social Sciences"*, 2003–2006, granted by Polish State Committee for Scientific Research
- 5FP EU Project MKMNet IST-2001-37057 *"Mathematical Knowledge Management Network"*, September 1, 2002 – November 30, 2003
- CALCULEMUS EU FP5 HPRN-CT-2000-00102 *"Systems for Integrated Computation and Deduction"*, September 1, 2000 – August 31, 2004
- TYPES EU FP5 IST-1999-29001 *"Computer Assisted Reasoning Based on Type Theory"*, August 1, 2000 – July 31, 2003
- TRIAL SOLUTION EU FP5 IST-2001-35447 *"Tools for Learning Systems"*, 2001 – 2002

- co-principial investigator in the Polish State Scientific Research Committee Project KBN 8 T11C 018 12 *"Research on the Natural and Artificial Intelligence in the Automated Reasoning"*, January 1, 1997 – December 31, 1999

- ONR N00014-97-1-0777 *"Further Development of Journal of Formalized Mathematics"*, May, 1997 – October, 1998

- co-principial investigator of the Office of Naval Research Project ONR N00014-95-1-1336 *"Automated Hyper-Linking in an Electronic Mathematical Proof-Checked Journal"*, August 31, 1995 – August 30, 1996

- Principial investigator in the Joint Project of the Office of Naval Research (USA) N00014-95-M-0072 and the Polish State Scientific Research Committee Project OGT 42/95, under auspices of the Polish Prime Minister *"The QED Workshop II - Computer Oriented Formalization of Mathematics"*, Warsaw, July, 1995

- scientific secretary of the EU PHARE DG XII Project *"Systeme informatique de modernisation des fermes familiales"*, Brussels, 1987 – 1988

Editor:

- Editor-in-Chief *Formalized Mathematics* (a computer assisted approach), deGruyter, ISSN 1426-2630, eISSN 1898-9934, since 1990

- Guest Editor *From Insight to Proof* (festschrift in Honour of Andrzej Trybulec), Studies in Logic, Grammar and Rhetoric, vol.10(23), ISBN 978-83-7431-128-1, 2007

Membership of Professional Societies:

- Association of Mizar Users (Stowarzyszenie Użytkowników Mizara);
  since November 1997, Chair of the *Mizar Prize for Young Researchers*, since 2009

- Association for Automated Reasoning; since 1994

Awards:

- **silver cross of merit** of the Republic of Poland for scientific activity, 2004
- **bronze cross of merit** of the Republic of Poland for scientific activity, 1981
- Rector of University of Bialystok Prize, 2003
- Rector of University of Bialystok Prize, 2000
- Rector of University of Bialystok Prize, 1997
- Prize of the Rector of Warsaw University, Bialystok Branch, 1995
- Prize of the Rector of Warsaw University, Bialystok Branch, 1991
- Rector of Warsaw University Prize, 1989

Publications:

[1] Roman Matuszewski. On some algorithm of Wroclaw taxonomy. In Quantitative methods in economics, ISSN 2082-792X, Warsaw, p.54, 2013.

[2] Roman Matuszewski. Computer assisted theorem proving - for teaching mathematics and informatics. In Informatyka Praktyczna, WSPiNS Otwock, pp.33–37, 2010.

[3] Roman Matuszewski, Hanna Sovalat. Taxonomical classification of hematopoietic CD34+ cell subsets from diverse origin. In Studies in Logic, Grammar and Rhetoric, Vol. 21(34), pp.25–33, 2010.

[4] Mariusz Giero, Roman Matuszewski. Some Special Sequences of Points on a Plane. In Special Issue: *Jordan Curve Theorem*, Mechanized Mathematics and Its Applications, Vol.6, Nr.1, pp.55–62., 2007.

[5] Roman Matuszewski. On computer-assisted approach to formalized reasoning. In Special Issue: *Issues of decidability and tractability*, Studies in Logic, Grammar and Rhetoric, vol.22, pp.61–71, 2006.

[6] Roman Matuszewski. Computer Checked Mathematical Texts Presented in Natural Language. In Proceedings of the International Congress of Mathematicians ICM 2006, Madrid, pp.131–132, 2006.

[7] Roman Matuszewski, Piotr Rudnicki. Mizar: the first 30 years. In Mechanized Mathematics and Its Applications, Vol.4, Nr.1, pp.3–24, 2005.

[8] Mariusz Giero, Roman Matuszewski. Lower Tolerance. Preliminaries to Wroclaw Taxonomy. In Formalized Mathematics, Vol.9, Nr.3, pp.597–603, 2001.

[9] Roman Matuszewski. Formal Mathematical Texts. Towards their Rendering into Natural Language. In Special Issue: *Language, Mind and Mathematics*, Studies in Logic, Grammar and Rhetoric, pp.59–72, 2001.

[10] Roman Matuszewski. An Approach to Computer Checked Mathematical Texts Presented in Natural language. In Zarzadzanie i Edukacja vol.25, nr.1, WSZiP Warszawa, pp.103–112, 2001.

[11] Roman Matuszewski. On natural language presentation of formal mathematical proofs. In Studies in Logic, Grammar and Rhetoric, vol.16, pp.71–80, 1999.

[12] Roman Matuszewski. A structural approach to human oriented presentation of formal proofs. In Studies in Logic, Grammar and Rhetoric, vol.16, pp.81–93, 1999.

[13] Roman Matuszewski. Computer aided proving in teaching mathematics and logic. In Dydaktyka informatyki i przedmiotow matematyczno-statystycznych w uczelniach rolniczych, SGGW, Warszawa, pp.122–127, 1999, ISBN 83-7244-045-X.

[14] Roman Matuszewski. Mizar texts automatically translated into English. In Electronic Notes in Theoretical Computer Science, Trento, pp.11–13, 1999.

[15] Roman Matuszewski. Automatic Translation of Machine-Checked Mathematical Texts into English. In Proceedings of the 11-th International Congress of Logic, Methodology and Philosophy of Science, Cracow, pp.129–130, 1999.

[16] Roman Matuszewski. Computer aidded teaching mathematics and logic. In Zarzadzanie i Edukacja, vol.18, Nr.6, WSZiP Warsaw, pp.165–168, 1999.

[17] Roman Matuszewski. Journal of Formalized Mathematics - a collection of mechanically checked articles. In Proceedings of International Congress of Mathematicians, ICM 98, Berlin, pp.293–294, 1998.

[18] Roman Matuszewski, Yatsuka Nakamura. Projections in n-Dimensional Euclidean Space to Each Coordinates. In Formalized Mathematics, Vol.6, Nr.4, pp.505–509, 1997.

[19] Yatsuka Nakamura, Roman Matuszewski, Adam Grabowski. Subsequences of Standard Special Circular Sequences in E(2,T). In Formalized Mathematics, Vol.6, Nr.3, pp.351–358, 1997.

[20] Yatsuka Nakamura, Roman Matuszewski. Reconstructions of Special Sequences. In Formalized Mathematics, Vol.6, Nr.2, pp.255–263, 1997.

[21] Roman Matuszewski. On automatic translation of texts from Mizar-QC language into English. In Studies in Logic, Grammar and Rhetoric, vol.IV, pp.75–89, 1984.

[22] Roman Matuszewski. Usefulness of the computer system Mizar-MSE in teaching of logic. In Proceedings of the XII Conference of Applied Mathematics, PTM, Rajgrod, pp.59–60, 1983.

[23] Ida Jokisz-Zabilska, Roman Matuszewski, Jerzy Zabilski. Usefulness of Mizar-language in students teaching. In Papers of the Warsaw University in Bialystok, pp.3–10, 1980.

[24] Roman Matuszewski, Andrzej Trybulec. An algorithm for clustering in metric spaces. In Papers of the Warsaw University in Bialystok, pp.117–123, 1977.