

PROFESSIONAL CV

Michal Bulant, Ph.D.

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Workplace

- Faculty of Science, Masaryk University, Department of Mathematics and Statistics

Employment Position

- Lecturer II
- MU Vice-Rector for Education and Quality

Education and Academic Qualifications

- 2003: Ph.D., Algebra, Number Theory and Mathematical Logic, Faculty of Science MU Brno
- 1997: M.Sc., Mathematical Informatics, Faculty of Informatics MU Brno
- 1996: M.Sc., Mathematics (field of study Discrete Mathematics), Faculty of Science MU Brno

Employment Summary

- 2001-: assistant professor, lecturer, Department of Mathematics and Statistics, Faculty of Science MU, Brno
- 2002-2016: teaching mathematics at Grammar school Brno, tr. Kpt. Jaroše 14 (specialized seminar)
- 1999-2001: consultant, DCB Actuaries and Consultants, s.r.o. Brno
- 1998: statistician - specialist for credit risk analysis, Komerční Banka, Prague
- 1996-1998: system administrator, Faculty of Science, Brno

Teaching Activities

- Elementary number theory (for teachers), Algebra seminar for teachers
- Teaching of basic courses at Faculty of Informatics (Mathematics I-IV, Discrete Mathematics, Continuous Models and Statistics)
- Mathematics seminar for gifted secondary school students (Grammar school Brno, Kpt. Jaroše 14)
- Long-term coordination of preparation of correspondence seminars and other activities at the Faculty of Science, including interdisciplinary ones, guarantee of the course XV003 "Projects for popularization of natural sciences"), coordination of the involvement of the Faculty of Science in the projects of the Ministry of Education and Science (Support of giftedness)
- Co-authoring of the comprehensive textbook of undergraduate mathematics "Brisk guide to mathematics"
- Introduction of the course "Practical Seminar in Didactics of Mathematics" at the Department of Mathematics and Statistics (taught by external teachers from secondary schools)
- Director of the project "MUNI 4 PREGRAD" (OP JAK)
- Director of the project "Improvement and Innovation of the Preparation of Future Teachers at MUNI" (OP VVV)
- Director of the project "Modular system of further education of pedagogical staff of JmK in natural sciences and informatics" (OP VK)

- Co-principal investigator of the projects "University Teaching of Mathematics in a Changing World", "Education of Future Secondary School Teachers in Science and Informatics" (OP VK)

Scientific and Research Activities

- Main area of interest is number theory, in particular algebraic number theory with emphasis on finding information about the class number and the structure of the class group of ideals of algebraic number bodies.
- Other areas of interest include computational aspects of number theory and computer algebra systems.

Academic Stays

- 2005: research stay at Universität der Bundeswehr, Munich, Germany, 1 month
- 1994: study stay at Technische Hochschule, Darmstadt, Germany, 4 months

University Activities

- 2019: MU Vice-Rector for Education and Quality
- 2015-2019: MU Vice-Rector for Studies and Information Technology
- 2015-2023: member of the MU Scientific Council
- 2012-2015: chairman of the MU Academic Senate
- 2004-2010: Vice-Dean of MU Faculty of Science for Studies and Information Systems
- 2001-2004: Vice-Dean of MU Faculty of Science for Information and Communication Technologies
- Researcher and co-researcher of projects of GA CR, OP, National Recovery Plan, development projects, etc.
- Participation in Thematic Peer Groups of the European University Association (2017 - Social Inclusion; 2023 - Flexible Learning Paths, 2025 - Staff Development in Teaching)

Extra-university Activities

- Member of the Council of Higher Education Institutions (2015-17, 2024-)
- Member of the Board of Directors of CESNET
- Member of the working group of the Ministry of Education to evaluate the implementation of the strategic plan of the Ministry of Education
- Member of the Ministry of Education's committee for the Minister's Award for Teaching Excellence in Higher Education
- Member of the working group of the Czech Rectors Conference for Education and Cooperation with the National Accreditation Bureau
- Member of the Interdepartmental Working Group for the Promotion of Talent (at the Ministry of Education) for HEIs, 2015-2020
- Chairman of the Board of Education of the Grammar school Brno, tř. Kpt. Jaroše
- Member of the regional committee of the Mathematical Olympiad
- Member of the Union of Czech Mathematicians and Physicists, member of the Society of Mathematics Teachers, member of the Czech Mathematical Society
- External teacher at the Grammar school Brno, tř. kpt. Jaroše in mathematics classes
- Long-term work with gifted high school and university students in mathematics, leading MU teams in international mathematical competitions
- Leading SOČ works (including very successful ones, including "Česká hlavička" 2015), regular participation in the regional jury of SOČ
- Holder of the Jansky Medal for blood donors

Appreciation of Science Community

- 2022: Pedagogical award of the Union of Czech Mathematicians and Physicists
- 1997: Dean's Award (Faculty of Informatics)
- 1996: Dean's Award (Faculty of Science)

Selected Publications

Brekke M.; Torstveit G.; Maiken K.A.; Lisa K.F.; Mijatović A.; Bulant M.; Oleksíková K.; Antalová N.; Ůun T.; Kreulich K.; Schindler Ch.; Anzi L.; Hanrieder B.; Sonia G.P.; Szozda N.; Amaral C.M.; Cravino J.; Machado D.; Aslam T.; Ainhua G.U. and Zhang T. Flexible learning and teaching: Thematic Peer Group Report. European University Association, 2024, 22 pp.

BULANT, Michal and Radan KUČERA. On a modification of the group of circular units of a real abelian field. Journal of Number Theory. Elsevier, 2013, vol. 133, no. 9, pp. 3138-3148. ISSN 0022-314X.

SLOVÁK Jan, PANÁK Martin and Michal Bulant. Matematika drsně a svižně. 1st ed. Brno: Masaryk University, 2013, 773 p. ISBN 978-80-210-6307-5.

BULANT, Michal. On Washington group of circular units of some composites of quadratic fields. Math. Slovaca. Bratislava, 2005, vol. 55, no. 1, pp. 39-46. ISSN 0139-9918.

BULANT, Michal. Class Number Parity of a Compositum of Five Quadratic Fields. Acta Math. et Informatica Univ. Ostraviensis. Ostrava (CZ), 2002, vol. 2002, no. 10, pp. 25-34.

BULANT, Michal. On the Parity of the Class Number of the Field $\mathbb{Q}(\sqrt{p}, \sqrt{q}, \sqrt{r})$. Journal of Number Theory. Academic Press, 1998, vol. 68, no. 1, pp. 72-86. ISSN 0022-314X.

Selected Recent Projects

MUNI 4 PREGRAD

Project code CZ.02.02.XX/0023_019/0008395

Principal investigator at MU [Mgr. Michal Bulant, Ph.D.](#)

Solution period 7/2024-12/2027

To develop competences directly relevant to life and practice in the 21st century

Project code ROZV/01/2022

Principal investigator at MU [Mgr. Michal Bulant, Ph.D.](#)

Solution period 1/2022-12/2025

Support for gifted students at the Faculty of Science of MU 2024

Project code 0030/7/OVER/2024

Principal investigator at MU [Mgr. Pavel Vicherek](#)

Solution period 1/2024-12/2024

Internal Evaluation Councils - practice, development, organization

Project code ROZV/C12/2023
Project leader [Mgr. Michal Bulant, Ph.D.](#)
Solution period 1/2023-12/2023

Quality Standards of Teaching at Czech Universities

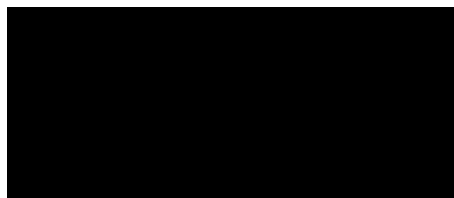
Project code ROZV/C7/2023
Project leader [Mgr. Michal Bulant, Ph.D.](#)
Solution period 1/2023-12/2023

Support for gifted students at the Faculty of Science MU 2023

Project code 0056/7/OVER/2023
Principal investigator at MU [Mgr. Pavel Vicherek](#)
Solution period 2/2023-12/2023

Improving and Innovating the Preparation of Future Teachers at MUNI

Project code CZ.02.3.68/0.0/0.0/19_068/0016170
Principal investigator at MU [Mgr. Michal Bulant, Ph.D.](#)
Solution period 1/2020-6/2023



Brno, 2 September 2025

Michal Bulant

Digitally signed by
Mgr. Michal Bulant Ph.D.

14.09.2025