

Adam Přenosil

CURRICULUM VITÆ as of 01/01/2026

CONTACT INFORMATION

Department of Theoretical Computer Science
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RESEARCH INTERESTS

Algebraic logic, residuated algebraic structures, universal algebra.

EMPLOYMENT HISTORY

since 2026/01	Scientist (tenure track) Institute of Computer Science, Czech Academy of Sciences, Czechia
2023/04 – 2025/12	Beatriu de Pinós postdoctoral fellow Dept. of Philosophy, University of Barcelona, Spain
2022/10 – 2023/03	Postdoctoral researcher Institute of Computer Science, Czech Academy of Sciences, Czechia
2021/07 – 2022/09	Postdoctoral researcher Dept. of Pedagogy, Psychology, and Philosophy, University of Cagliari, Italy
2018/08 – 2021/06	Assistant professor (non-tenure-track) Dept. of Mathematics, Vanderbilt University, USA
2013/10 – 2018/06	Doctoral researcher Institute of Computer Science, Czech Academy of Sciences, Czechia

EDUCATION

2013 – 2018	Ph.D. in Logic , Charles University Thesis: <i>Reasoning with Inconsistent Information</i> Supervised by Mgr. Marta Bílková, Ph.D.
2011 – 13	Mgr. in Logic , Charles University
2007 – 13	Bc. studies in Logic & Linguistics (unfinished), Charles University
2006 – 09	Bc. in General Physics , Charles University

INVITED LECTURES (SELECTED)

2026/02	Beauty of Logic 2026 , Prague, Czechia <i>Deciding equations in conuclear residuated lattices</i>
2025/08	AMS Fall Western Sectional Meeting (Session on Algebraic Logic) , Denver, USA <i>Generation and decidability for integral commutative cancellative residuated lattices</i>
2025/07	TACL 2024 (Topology, Algebra, and Categories in Logic) , Barcelona, Spain <i>Priestley duality beyond the case of finite dualizing objects</i>
2024/05	ASL Annual Meeting (Session on Algebraic Logic) , Ames, USA <i>Unital lattice subreducts of integral residuated lattices</i>
2023/09	MOSAIC 2023 (Modalities in Substructural Logics) , Vienna, Austria <i>Semisimplicity, Glivenko theorems, and the excluded middle</i>
2023/07	Algebra Week 2023 , Siena, Italy <i>Equational definability of logical filters & Stone duality beyond finite dualizing objects</i>
2022/04	Workshop on Ordered Algebras and Logic , Les Diablerets, Switzerland <i>From residuated lattices to ℓ-groups using free nuclear preimages</i>
2019/05	BLAST 2019 , Boulder, USA <i>Algebras of fractions</i>

PROFESSIONAL ACTIVITIES

Co-chair of the organizing committee:

4th Shanks Workshop on Ordered Algebraic Structures and Logic (Nashville, 2020)
PhDs in Logic X (Prague, 2018)

Member of the organizing committee:

TACL 2024 (Barcelona, 2024)
Trends in Logic XXII (Cagliari, 2022)
TACL 2017 (Prague, 2017)

Member of the program committee:

TACL 2026 (Krakow, 2026)
LATD 2025 (Siena, 2025)
TACL 2021–2 (Coimbra, 2022)
Logica 2022, 2023, 2025, 2026 (Czechia)

Organized the Universal Algebra & Logic Seminar at Vanderbilt University (2019–2020).

Co-organized the ALOPHIS research group seminar at the University of Cagliari (2021–2022).

RESEARCH VISITS

2024/05	Chapman University, USA (1 month)
2017/09	Kyoto University, Japan (1 month)
2017/07	University of Denver, USA (1 month)
2017/03	Tel Aviv University, Israel (1 month)
2016/10–11	Kyoto University, Japan (2 months)

TEACHING EXPERIENCE

University of Barcelona:

Master's course in Abstract Algebraic Logic (1 semester, co-taught with Tommaso Moraschini)
Master's course in Algebraic Logic (1 semester, co-taught with Tommaso Moraschini)

Vanderbilt University:

Single-Variable Calculus (1 semester, 2 sections)
Multivariable Calculus (1 semester)
Abstract Algebra (1 semester)
Methods of Linear Algebra (3 semesters, 6 sections)

Charles University:

Classical Logic (2 semesters)
Recitations in Logic (4 semesters)

PH.D. SUPERVISION

Colin Bloomfield (Vanderbilt University)

Co-supervised with Constantine Tsinakis as co-advisor.
Thesis: *Fibered universal algebra for first-order logics*.
Ph.D. awarded: 2023/04.

GRANTS AWARDED

Junior Star grant (2026/01 – 2030/12)

Algebraizing first-order logics
Awarded by the Czech Science Foundation (GA ČR).

Beatriu de Pinós individual grant (2023/03 – 2025/12)

Quantification in non-classical logics
Awarded by the Catalan Agency for Management of University and Research Grants (AGAUR).

PEER-REVIEWED PUBLICATIONS

23. *Many-Valued Logic*.

J. Marcos, A. Přenosil, P. Égré.

The Stanford Encyclopedia of Philosophy, Edward N. Zalta and Uri Nodelman (eds.).

To appear at <https://plato.stanford.edu/entries/logic-manyvalued>.

22. *Compatibility between modal operators in distributive modal logic*. A. Přenosil.

Annals of Pure and Applied Logic 177(2), 103677, 2026. Published online in 2025.

21. *Equivalence of multiset-based consequence relations*.

A. Madanshekaf, A. Přenosil, Z.K. Seresti, and C. Tsinakis.

Annals of Pure and Applied Logic 177(1), 103646, 2026. Published online in 2025.

20. *Equational definitions of logical filters.*
M. Pra Baldi and A. Přenosil.
Annals of Pure and Applied Logic 176(9), 103617, 2025.
19. *On the structure of balanced residuated partially ordered monoids.*
S. Bonzio, J. Gil-Férez, P. Jipsen, A. Přenosil, and M. Sugimoto.
Relational and Algebraic Methods in Computer Science 21st International Conference, RAMiCS 2024, Prague, Czech Republic, August 19–22, 2024, Proceedings. Springer, 2024.
18. *Sequent calculi for first-order ST.*
F. Paoli and A. Přenosil.
The Journal of Philosophical Logic 53: pp. 1291–1320, 2024.
17. *Pointed lattice subreducts of varieties of residuated lattices.* A. Přenosil.
Order 42: 87–114, 2024.
16. *Logics of upsets of De Morgan lattices.* A. Přenosil.
Mathematical Logic Quarterly 69(4): 419–445, 2023.
15. *Filter classes of upsets of distributive lattices.* A. Přenosil.
Order 41: 365–390, 2024. Published online in 2023.
14. *Complemented MacNeille completions and algebras of fractions.*
N. Galatos and A. Přenosil.
Journal of Algebra 623, pp. 288–357, 2023.
13. *From partially ordered monoids to partially ordered groups via free nuclear preimages.* A. Přenosil.
Journal of Algebra 610, pp. 119–166, 2022.
12. *The lattice of super-Belnap logics.* A. Přenosil.
The Review of Symbolic Logic 16(1): 114–163, 2023. Published online in 2021.
11. *De Morgan clones and four-valued logics.* A. Přenosil.
Algebra Universalis 82, article number 30, 2021.
10. *Lattice-ordered pregroups are semidistributive.*
N. Galatos, P. Jipsen, M. Kinyon, and A. Přenosil.
Algebra Universalis 82, article number 16, 2021.
09. *Four-valued logics of truth, non-falsity, exact truth, and material equivalence.* A. Přenosil.
Notre Dame Journal of Formal Logic 61(4), pp. 601–621, 2020.
08. *Consistency, completeness, and classicality.* A. Přenosil.
New Essays on Belnap-Dunn Logic, Synthese Library volume 418. Springer, 2019. Edited by H. Omori and H. Wansing.
07. *Cut elimination, identity elimination, and interpolation in super-Belnap logics.* A. Přenosil.
Studia Logica 105 (6), pp. 1255–1289, 2017.

- 06.** *An algebraic view of super-Belnap logics.* H. Albuquerque, A. Přenosil, and U. Rivieccio. *Studia Logica* 105 (6), pp. 1051–1086, 2017.
- 05.** *Contradictory information as a basis for rational belief.* A. Přenosil. *Logic, Rationality and Interaction – 2017. 6th International Workshop, LORI 2017, Sapporo, Japan, September 11–14, 2017, Proceedings*, pp. 151–165. Edited by A. Baltag, J. Seligman, and T. Yamada.
- 04.** *The inconsistency predicate on De Morgan lattices.* A. Přenosil. *Acta Universitatis Carolinae Philosophica et Historica* 2/2017 – *Miscellanea Logica* XI, pp. 45–61.
- 03.** *Constructing natural extensions of propositional logics.* A. Přenosil. *Studia Logica* 194 (6), pp. 1179–190, 2016.
- 02.** *Reductio ad contradictionem: an algebraic perspective.* A. Přenosil. *Studia Logica* 104 (3), pp. 389–415, 2016.
- 01.** *A duality for distributive unimodal logic.* A. Přenosil. *Advances in Modal Logic*, vol. 10, pp. 423–438, 2014. Edited by R. Goré, B. Kooi and A. Kurucz.