

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

## EDUCATION

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

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### INVITED LECTURES (SELECTED)

2026/02 **Beauty of Logic 2026**, Prague, Czechia  
*Deciding equations in conuclear residuated lattices*

2025/08 **AMS Fall Western Sectional Meeting (Session on Algebraic Logic)**, Denver, USA  
*Generation and decidability for integral commutative cancellative residuated lattices*

2025/07 **TACL 2024 (Topology, Algebra, and Categories in Logic)**, Barcelona, Spain  
*Priestley duality beyond the case of finite dualizing objects*

2024/05 **ASL Annual Meeting (Session on Algebraic Logic)**, Ames, USA  
*Unital lattice subreducts of integral residuated lattices*

2023/09 **MOSAIC 2023 (Modalities in Substructural Logics)**, Vienna, Austria  
*Semisimplicity, Glivenko theorems, and the excluded middle*

2023/07 **Algebra Week 2023**, Siena, Italy  
*Equational definability of logical filters & Stone duality beyond finite dualizing objects*

2022/04 **Workshop on Ordered Algebras and Logic**, Les Diablerets, Switzerland  
*From residuated lattices to  $\ell$ -groups using free nuclear preimages*

2019/05 **BLAST 2019**, Boulder, USA  
*Algebras of fractions*

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### 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).

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### 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)

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## 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)

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## 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.

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## 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).

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## 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.