

CURRICULUM VITAE

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Personal data

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Professional interests

- Mathematical logic.

Education

- 2004–2007, **Ph.D. in Mathematical Logic**, Università di Cagliari.

Employment

- From 2019, **Full professor**, Università di Cagliari.

Activities

Publications

- [1] Giuntini R., Ledda A., Vergottini G., “Generalizing orthomodularity to unsharp contexts: properties, blocks, residuation”, *Logic Journal of the IGPL*, <https://doi.org/10.1093/jigpal/jzae076>.

- [2] Ledda A., Vergottini G., “A survey on unsharp orthomodular lattices”, *Journal of Algebraic Hyperstructures and Logical Algebras* 5, 1, 2024, pp. 19-35.
- [3] Chajda I., Länger H., Ledda A., Paseka J., Vergottini G., “Tense logics based on posets”, *Journal of Logic and Computation*, 25, 4, 2025, pp. 1-31.
- [4] Bucciarelli A., Curien P. L., Ledda A., Paoli F., Salibra A., “The higher dimensional propositional calculus”, *Logic Journal of the IGPL*, 2025, 3, 33, <https://doi.org/10.1093/jigpal/jzae100>.
- [5] Ledda A., Vergottini G., “Orthomodular and unsharp orthomodular lattices: a categorical equivalence”, *Studia Logica*, 114, 2026, pp. 169-203.
- [6] Chajda I., Ledda A., Paseka J., Vergottini G., “Unsharp residuation in posets”, *Fuzzy Sets and Systems*, <https://doi.org/10.1016/j.fss.2025.109635>.
- [7] Chajda I., Ledda A., Vergottini G., “Representations of regular double Stone algebras. Theory and applications”, *Logic Journal of the IGPL*, forthcoming.
- [8] Ledda A., Sankappanavar H. P., Vergottini G., “The amalgamation property in the variety of regular double Stone algebras: A constructive view”, *Bulletin of the Section of Logic*, forthcoming.

Host

- JAIST, Kanazawa, Japan;
- Vanderbilt University, Nashville;
- Université Paris VII-Diderot, Paris;
- Palacký University Olomouc, Olomouc;
- Technical University, Berlin;
- Shaanxi Normal University, Xi’an, China.