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PUBLICATION LIST

(**Note:** highlighted publications are marked with a ★)

Preprints

[1] A. Tsigler, **L. F. O. Chamon**, S. Frei, and P. L. Bartlett. Benign overfitting and the geometry of the ridge regression solution in binary classification, 2025. URL: https://arxiv.org/abs/2503.07966.

[2] **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Trust but verify: Assigning prediction credibility by counterfactual constrained learning, 2020. URL: https://arxiv.org/abs/2011.12344.

[3] **L. F. O. Chamon** and C. G. Lopes. Combination of LMS adaptive filters with coefficients feedback, 2016. URL: https://arxiv.org/abs/1608.03248.

Patents

[1] D. Lamb, **L. F. O. Chamon**, V. H. Nascimento, and A. Spirer. Sparse cascaded-integrator-comb filters, 2019. URL: https://patents.google.com/patent/US10367477B2. US10367477B2.

Journals

★ [1] M. Calvo-Fullana, S. Paternain, **L. F. O. Chamon**, and A. Ribeiro. State augmented constrained reinforcement learning: Overcoming the limitations of learning with rewards. *IEEE Trans. on Autom. Control.*, 69[7]:4275–4290, 2024. URL: https://arxiv.org/abs/2102.11941.

[2] C. G. Lopes, V. H. Nascimento, and **L. F. O. Chamon**. Distributed universal adaptive networks. *IEEE Trans. on Signal Process.*, 71:1817–1832, 2023. DOI: 10.1109/TSP.2023.3275812. URL: https://arxiv.org/abs/2307.05746.

[3] S. Paternain, M. Calvo-Fullana, **L. F. O. Chamon**, and A. Ribeiro. Safe policies for reinforcement learning via primal-dual methods. *IEEE Trans. on Autom. Control.*, 68[3]:1321–1336, 2023. DOI: 10.1109/TAC.2022.3152724. URL: https://arxiv.org/abs/1911.09101.

★ [4] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Transferability properties of graph neural networks. *IEEE Trans. on Signal Process.*, 71:3474–3489, 2023. DOI: 10.1109/TSP.2023.3297848. URL: https://arxiv.org/abs/2112.04629.

★ [5] **L. F. O. Chamon**, S. Paternain, M. Calvo-Fullana, and A. Ribeiro. Constrained learning with non-convex losses. *IEEE Trans. on Inf. Theory*, 69[3]:1739–1760, 2023. DOI: 10.1109/TIT.2022.3187948. URL: https://arxiv.org/abs/2103.05134.

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[7] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Graphon signal processing. *IEEE Trans. on Signal Process.*, 69:4961–4976, 2021. DOI: 10.1109/TSP.2021.3106857. URL: https://arxiv.org/abs/2003.05030.

[8] **L. F. O. Chamon**, G. J. Pappas, and A. Ribeiro. Approximate supermodularity of Kalman filter sensor selection. *IEEE Trans. on Autom. Control.*, 66[1]:49–63, 2021. DOI: 10.1109/TAC.2020.2973774. URL: https://arxiv.org/abs/1912.03799.

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★ [11] M. Eisen, C. Zhang, **L. F. O. Chamon**, D. D. Lee, and A. Ribeiro. Learning optimal resource allocations in wireless systems. *IEEE Trans. on Signal Process.*, 67[10]:2775–2790, 2019. DOI: 10.1109/TSP.2019.2908906. URL: https://arxiv.org/abs/1807.08088. **[Top 50 most accessed articles in IEEE TSP: May, July, Sept, Oct 2019]**.

[12] **L. F. O. Chamon** and A. Ribeiro. Greedy sampling of graph signals. *IEEE Trans. on Signal Process.*, 66[1]:34–47, 2018. DOI: 10.1109/TSP.2017.2755586. URL: https://arxiv.org/abs/1704.01223.

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ML & Systems Conferences

[1] A. Barthakur and **L. F. O. Chamon**. Learning with statistical equality constraints. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2025. URL: https://arxiv.org/abs/2511.14320. **[oral]**.

[2] A. Manolache, **L. F. O. Chamon**, and M. Niepert. Learning (approximately) equivariant networks via constrained optimization. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2025. URL: https://arxiv.org/abs/2505.13631. **[oral]**.

★ [3] V. Moro and **L. F. O. Chamon**. Solving differential equations with constrained learning. In *International Conference on Learning Representations (ICLR)*, 2025. URL: https://arxiv.org/abs/2410.22796.

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[14] B. Arzani, S. Ciraci, **L. F. O. Chamon**, Y. Zhu, H. Liu, J. Padhye, B. T. Loo, and G. Outhred. 007: Democratically finding the cause of packet drops. In *USENIX Symposium on Networked Systems Design and Implementation (NSDI)*, pages 419–435, 2018. URL: https://arxiv.org/abs/1802.07222.

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Control Conferences

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[2] B. A. Angélico, **L. F. O. Chamon**, S. Paternain, A. Ribeiro, and G. J. Pappas. Source seeking in unknown environments with convex obstacles. In *American Control Conference*, 2021. URL: https://arxiv.org/abs/1909.07496.

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Signal Processing Conferences

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