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### **PUBLICATION LIST**

Total number: 63 Citations: 1600 h-index: 21 Google Scholar **(D)** 0000-0001-7731-6650

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

## **Preprints**

- [1] 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.
- [2] L. F. O. Chamon and C. G. Lopes. Combination of LMS adaptive filters with coefficients feedback. arXiv, 2016. URL: https://arxiv.org/abs/1608. 03248.

### **Patents**

[1] D. Lamb, L. F. O. Chamon, V. H. Nascimento, and A. Spirer. Sparse cascadedintegrator-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., 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.
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  - **★** [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.
    - [9] M. Peifer, L. F. O. Chamon, S. Paternain, and A. Ribeiro. Sparse multiresolution representations with adaptive kernels. IEEE Trans. on Signal Process.,

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## ML & Systems Conferences

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- ★ [6] A. Robey\*, **L. F. O. Chamon**\*, G. J. Pappas, H. Hassani, and A. Ribeiro. Adversarial robustness with semi-infinite constrained learning. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2021. URL: https://arxiv.org/abs/2110.15767. (\* equal contribution).
- ★ [7] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Graphon neural networks and the transferability of graph neural networks. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2020. URL: https://arxiv.org/abs/2006.03548.
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## Control Conferences

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- [2] M. Calvo-Fullana, **L. F. O. Chamon**, and S. Paternain. Towards safe continuing task reinforcement learning. In *American Control Conference*, 2021. URL: https://arxiv.org/abs/2102.12585.
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## Signal Processing Conferences

- [1] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Transferable graph neural networks on large-scale stochastic graphs. In *Asilomar Conference on Signals, Systems and Computers*, 2021.
- [2] D. S. Kalogerias, **L. F. O. Chamon**, G. J. Pappas, and A. Ribeiro. Better safe than sorry: Risk-aware nonlinear Bayesian estimation. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2020. URL: https://arxiv.org/abs/1912.02933. [Best paper award].
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