

LUIZ F. O. CHAMON

✉ luiz.chamon@polytechnique.edu

🌐 luizchamon.com

ACADEMIC POSITIONS

09/2025–present	École Polytechnique (FR) <i>Master on Trustworthy and Responsible AI (MScT)</i> <i>Master on Large Language Models, Graphs, and Applications (MScT)</i>	Co-director and pedagogical lead
01/2025–present	École Polytechnique (FR) <i>Department of applied mathematics (CMAP)</i>	Assistant professor (tenure-track)
12/2022–present	Int. Max Planck Research School for Intelligent Systems (DE)	Faculty
10/2022–12/2024	University of Stuttgart (DE) <i>ELLIS–SimTech / AI institute</i>	Independent research group leader
07/2021–09/2022	University of California, Berkeley (USA) <i>Simons Institute for the Theory of Computing</i>	Postdoctoral fellow
10/2020–06/2021	University of Pennsylvania (USA) <i>Electrical and Systems Engineering Dept.</i>	Postdoctoral researcher

EDUCATION

09/2015–12/2020	University of Pennsylvania (USA) <i>Thesis: Constrained learning and inference</i>	Ph.D. in Electrical Engineering (Advisor: <i>Alejandro Ribeiro</i>)
02/2012–02/2015	University of São Paulo (BR) <i>Thesis: Combinations of adaptive filters</i>	M.Sc. in Electrical Engineering (Advisor: <i>Cássio G. Lopes</i>)
01/2009–06/2009	École Centrale de Lyon and INSA-Lyon (FR) <i>Exchange student of the Masters in Acoustics</i>	Undergraduate exchange
02/2006–05/2011	University of São Paulo (BR)	B.Sc. in Electrical Engineering

PROFESSIONAL EXPERIENCE

02/2015–08/2015	University of São Paulo (BR) <i>Electronic Systems Engineering Dept.</i> Design and prototype of an open source microphone array for acoustic imaging (GitHub)	Research staff
04/2014–03/2015	EMBRAER S.A. (BR) Statistical analysis of comfort data from over 1000 individuals collected over the course of more than 60 simulated flights	Consultant
02/2010–12/2013	University of São Paulo (BR) <i>Mechanical Engineering Dept.</i> Design and implementation of the vibroacoustic system of a full-sized aircraft cabin simulator in collaboration with EMBRAER S.A.	Research staff
10/2009–12/2011	University of São Paulo (BR) <i>Mechanical Engineering Dept.</i> Auralization study in collaboration with the Federal University of Santa Catarina (BR) and the <i>Institut für Technische Akustik</i> (RWTH, DE)	Student researcher

- 02/2009–06/2009 **INSAVALOR Formation Continue (FR)** Consultant
Design of a ceramic tile crack detection system for *Saint-Gobain S.A.*
- 01/2004–08/2004 **National Institute for Space Research (INPE, BR)** Laboratory assistant
Power Supply Group
Contributed to solar cells tests, project revisions, and *power budget negotiations* with Chinese delegations

AWARDS

- 2025 • [Shiing-Shen Chern Young Faculty award](#)
École polytechnique
- [ELLIS Scholar](#)
European Lab for Learning and Intelligent Systems (ELLIS)
- 2022 • [Young Investigators Lecture](#) (now "EAS Trailblazers")
Division of Engineering and Applied Sciences, Caltech
- 2020 • Best student paper award at IEEE ICASSP 2020
"The empirical duality gap of constrained statistical learning"
- Best paper award at IEEE ICASSP 2020
"Better safe than sorry: Risk-aware nonlinear Bayesian estimation"
- 2018 • Best Ph.D. colloquium award
Dept. of Electrical and Systems Engineering, University of Pennsylvania
- "Good citizen award" for services to the department
Dept. of Electrical and Systems Engineering, University of Pennsylvania
- Outstanding editorial board service
IEEE Signal Processing Society

SELECTED PUBLICATIONS

Total number: 70

Citations: 2704

h-index: 23

 [Google Scholar](#)

 [0000-0001-7731-6650](#)

See complete list on [p. 7](#)

- [1] 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. **[oral]**.
- [2] V. Moro and **L. F. O. Chamon**. Solving differential equations with constrained learning. In *International Conference on Learning Representations (ICLR)*, 2025.
- [3] 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], 2024.
- [4] **L. F. O. Chamon**, M. R. K. Jaghargh, and A. Korba. Constrained sampling with primal-dual Langevin Monte Carlo. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2024.
- [5] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Transferability properties of graph neural networks. *IEEE Trans. on Signal Process.*, 71, 2023.
- [6] **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], 2023.
- [7] A. Robey, **L. F. O. Chamon**, G. J. Pappas, and H. Hassani. Probabilistically robust learning: Balancing average- and worst-case performance. In *International Conference on Machine Learning (ICML)*, 2022. **[spotlight]**.
- [8] 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.

- [9] **L. F. O. Chamon** and A. Ribeiro. Probably approximately correct constrained learning. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2020.
- [10] S. Paternain, **L. F. O. Chamon**, M. Calvo-Fullana, and A. Ribeiro. Constrained reinforcement learning has zero duality gap. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2019.

INVITED TALKS

2025	• Séminaire Palaisien	INRIA Saclay
2025	• Keynote speaker “Constrained Optimization for ML” workshop	NeurIPS
	• Seminar	ENS
	• GAIA seminar	GIPSA-LJK
	• Department of signal and communication theory	U. Carlos III, Madrid
2024	• Tutorial: “Constrained learning: From supervised to reinforced”	EUSIPCO
	• Tutorial: “Constrained learning: From supervised to reinforced”	L4DC
	• Statistics and learning theory in the era of AI	MFO, Oberwolfach
	• Tutorial: “Constrained learning: From supervised to reinforced”	AAAI
	• Workshop on Reinforcement Learning	U. Mannheim
2023	• CyberValley at University of Stuttgart	U. Stuttgart
	• SimTech Conference 2023	U. Stuttgart
	• IMPRS-IS tutorial: “Adversarially robust learning”	MPI-Tübingen
	• Data Science and Dependence Conference	IWH-Heidelberg
	• <i>Kolloquium Technische Kybernetik</i>	U. Stuttgart
	• SimTech ML sessions	U. Stuttgart
	• <i>SHIFT: KI und eine zukünftige Gemeinschaft</i> (SHIFT: AI and a future community)	Kunstmuseum Stuttgart
	• ELLIS/CIS Network Seminar	EPFL
2022	• Young Investigators Lecture	Caltech
	• Foundations of Data Science Institute	Simons Institute
2021	• Deep Learning Theory Symposium	Simons Institute
	• Research seminar	Microsoft Research
	• EECS seminar	MIT
	• Mathematical Institute for Data Science	Johns Hopkins U.
	• Departmental seminar	Toyota Technological Institute at Chicago
2020	• Center for Wireless Autonomous Systems	Intel

TEACHING AND SUPERVISION

Supervision of doctoral researchers

11/2025–present	Gabriel Foy (<i>CIFRE: TotalEnergies</i>)	École polytechnique
10/2023–present	Aneesh Barthakur (<i>expected to finish by 12/2026</i>)	U. Stuttgart / IMPRS-IS
01/2024–09/2024	Viggo Moro (now PhD student at U. of Oxford)	U. Stuttgart / IMPRS-IS
09/2023–12/2024	Juan Elenter (now Spotify)	U. Pennsylvania
	<i>Technical supervision</i>	(Main supervisor: A. Ribeiro)
09/2021–03/2024	Ignacio Hounie	U. Pennsylvania

	<i>Technical supervision</i>	(Main supervisor: A. Ribeiro)
08/2019–09/2022	Luana Ruiz (now assistant professor at John Hopkins U.)	U. Pennsylvania
	<i>Technical supervision</i>	(Main supervisor: A. Ribeiro)
06/2018–07/2021	Maria Peifer (now Comcast)	U. Pennsylvania
	<i>Technical supervision</i>	(Main supervisor: A. Ribeiro)

Supervision of master students

04/2026–09/2026	Mariem Hadj Kacem	SupCom, TN
04/2026–09/2026	Samuel Marthely	ENS Paris-Saclay (MVA), FR
12/2023–08/2024	Nadin Elsharbatly	U. Stuttgart, DE

Supervision of undergraduate researchers

09/2025–05/2026	PSC (collective scientific project) group	École polytechnique
02/2018–06/2020	Alexandre Amice (now Ph.D. student at MIT)	U. Pennsylvania
	<i>Technical supervision</i>	(Main supervisor: A. Ribeiro)

Teaching

09/2025–06/2026	École polytechnique Optimization for AI (3rd year, new, ~90 students) Mathematics of data-driven decision making (3rd year, new, ~30 students) Reinforcement learning (M2, major course revision, ~120 students) Introduction to machine learning (M2, ~10 students)	
09/2025	Polytechnique executive education (eXed) Cardiff, BNP Paribas	
01/2025–06/2025	École polytechnique Probability (1st year, recitation) Statistical learning theory (3rd year, recitation) Optimization for deep learning (M1, recitation)	
01/2016–05/2020	University of Pennsylvania <i>Co-lecturer:</i> Undergraduate signal processing (~75 students, 3 terms) <i>Teaching assistant:</i> Undergraduate stochastic processes (~70 students, 4 terms) <i>Teaching assistant:</i> Undergraduate signal processing (~80 students, 3 terms)	
2013–2014	University of São Paulo <i>Teaching assistant:</i> Undergraduate stochastic processes Created instructional videos that have accumulated over 490 followers and 160.000 views (Youtube channel —in Portuguese)	
2009	INSAVALOR Formation Continue <i>Instructor:</i> undergraduate laboratories and certifying workshops (COFREND and <i>Dassault Aviation</i>). Development of tutorial on nondestructive testing.	

Mentoring

02/2022–03/2022	Women in STEM ENVISION research competition	Judge
10/2019	University of Pennsylvania Meyerhoff Scholars meeting (U. Maryland program supporting diversity in STEM)	
06/2019–09/2019	University of Pennsylvania SUNFEST (research experience for undergraduate program)	Mentor

06/2018–09/2018	University of Pennsylvania SUNFEST (<i>research experience for undergraduate program</i>)	Mentor
09/2017	University of Pennsylvania Meyerhoff Scholars meeting (<i>U. Maryland program supporting diversity in STEM</i>)	

ACADEMIC SELF-ADMINISTRATION

01/2024–12/2026	EURASIP <i>Theoretical and Methodological Trends in Signal Processing</i>	Technical committee member
10/2023–12/2024	University of Stuttgart <i>General assembly of the Stuttgart Center for Simulation Science</i>	Deputy member
05/2020–12/2020	University of Pennsylvania <i>Penn Engineering COVID-19 Research and Academic Safety Committee</i>	PhD representative
01/2020–03/2020	University of Pennsylvania <i>PhD student hiring committee</i>	Evaluator
09/2017–07/2018	University of Pennsylvania <i>ESE PhD colloquium</i>	Organizer

Search committees

2026	Assistant professor (tenure-track)	Télécom Paris
2026	Assistant professor (tenure-track)	École polytechnique
2026	Assistant professor (tenure-track)	École polytechnique
2025	Assistant professor	École polytechnique

Doctoral defense committees

04/2026	Ignacio Hounie	U. of Pennsylvania (USA)
04/2026	Eliabelle Mauduit	ENSTA (FR)
05/2025	Amin Charusaie	Max Planck Institute (DE)
03/2025	Sergio Rozada	King Juan Carlos U. (ES)

MEMBERSHIP IN SCIENTIFIC ASSOCIATION

10/2022–present	ELLIS, ELLIS Unit Stuttgart, ELLIS Unit Paris
01/2012–present	IEEE (Signal Processing Society and Control Systems Society)

REFEREE

Journals	IEEE Trans. on Signal Processing (<i>outstanding editorial board service award</i>); IEEE Trans. on Automatic Control; IEEE Signal Processing Magazine; Proceedings of the IEEE; IEEE Signal Processing Letters; IEEE Journal of Selected Topics in Signal Processing; IEEE Trans. on Signal and Information Processing over Networks IEEE Trans. on Control of Network Systems
Conferences	NeurIPS (top reviewer 2025), ICML, ICLR, IEEE ICASSP, IEEE CDC, EUSIPCO

RESEARCH MANAGEMENT

06/2022	University of California, Berkeley <i>Intersections: Preventing harassment & sexual violence</i>	Training
08/2013–07/2019	University of São Paulo and Analog Devices <i>"Sparse cascaded-integrator-comb filters"</i> (Patent US10367477B2)	Technology transfer

LANGUAGES

English (fluent), *French* (fluent), *Portuguese* (fluent), *Spanish* (advanced), *Greek* (basic), *German* (A1)

PUBLICATION LIST

Total number: 70

Citations: 2704

h-index: 23

 Google Scholar 0000-0001-7731-6650

(Note: highlighted publications are marked with a ★)

Preprints

- [1] O. Ben-Dov and **L. F. O. Chamon**. Adaptive symmetrization of the KL divergence, 2025. URL: <https://arxiv.org/abs/2511.11159>.
- [2] 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>.
- [3] **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>.
- [4] **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], 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, 2023. 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], 2023. 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, 2023. 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], 2023. URL: <https://arxiv.org/abs/2103.05134>.
- [6] **L. F. O. Chamon**, A. Amice, and A. Ribeiro. Approximately supermodular scheduling subject to matroid constraints. *IEEE Trans. on Autom. Control.*, 67[3], 2022. URL: <https://arxiv.org/abs/2003.08841>.
- [7] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Graphon signal processing. *IEEE Trans. on Signal Process.*, 69, 2021. 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], 2021. 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.*, 68[1], 2020. URL: <https://arxiv.org/abs/1905.02797>.
- [10] **L. F. O. Chamon**, Y. C. Eldar, and A. Ribeiro. Functional nonlinear sparse models. *IEEE Trans. on Signal Process.*, 68[1], 2020. URL: <https://arxiv.org/abs/1811.00577>.
- [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 Pro-*

cess., 67[10], 2019. 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], 2018. URL: <https://arxiv.org/abs/1704.01223>.
- [13] D. Lamb, L. F. O. Chamon, and V. H. Nascimento. An efficient filtering structure for spline interpolation and decimation. *IET Electronics Letters*, 52[1], 2016.
- [14] H. F. Ferro, L. F. O. Chamon, and C. G. Lopes. FIR-IIR adaptive filters hybrid combination. *IET Electronics Letters*, 50[7], 2014.

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>.
- ★ [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>.
- [4] J. Elenter, L. F. O. Chamon, and A. Ribeiro. Near-optimal solutions of constrained learning problems. In *International Conference on Learning Representations (ICLR)*, 2024. URL: <https://arxiv.org/abs/2403.11844>.
- ★ [5] L. F. O. Chamon, M. R. K. Jaghargh, and A. Korba. Constrained sampling with primal-dual Langevin Monte Carlo. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2024. URL: <https://arxiv.org/abs/2411.00568>.
- [6] J. Cervino, L. F. O. Chamon, B. D. Haeffele, R. Vidal, and A. Ribeiro. Learning globally smooth functions on manifolds. In *International Conference on Machine Learning (ICML)*, 2023. URL: <https://arxiv.org/abs/2210.00301>.
- [7] I. Hounie, A. Ribeiro, and L. F. O. Chamon. Resilient constrained learning. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2023. URL: <https://arxiv.org/abs/2306.02426>.
- [8] I. Hounie, L. F. O. Chamon, and A. Ribeiro. Automatic data augmentation via invariance-constrained learning. In *International Conference on Machine Learning (ICML)*, 2023. URL: <https://arxiv.org/abs/2209.15031>.
- ★ [9] A. Robey, L. F. O. Chamon, G. J. Pappas, and H. Hassani. Probabilistically robust learning: Balancing average- and worst-case performance. In *International Conference on Machine Learning (ICML)*, 2022. URL: <https://arxiv.org/abs/2202.01136>. [spotlight].
- [10] 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).
- ★ [11] 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>.

- ★ [12] **L. F. O. Chamon** and A. Ribeiro. Probably approximately correct constrained learning. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2020. URL: <https://arxiv.org/abs/2006.05487>.
- ★ [13] S. Paternain, **L. F. O. Chamon**, M. Calvo-Fullana, and A. Ribeiro. Constrained reinforcement learning has zero duality gap. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2019. URL: <https://arxiv.org/abs/1910.13393>.
- [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)*, 2018. URL: <https://arxiv.org/abs/1802.07222>.
- [15] B. Arzani, S. Ciraci, **L. F. O. Chamon**, Y. Zhu, H. Liu, J. Padhye, G. Outhred, and B. T. Loo. Closing the network diagnostics gap with Vigil. In *SIGCOMM (Poster)*, 2017.
- [16] **L. F. O. Chamon** and A. Ribeiro. Approximate supermodularity bounds for experimental design. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2017. URL: <https://arxiv.org/abs/1711.01501>.

Control Conferences

- [1] S. Das, S. Paternain, **L. F. O. Chamon**, and C. Eksin. Computing Nash in locally constrained Markov games using a Lagrangian framework. In *IEEE Control and Decision Conference*, 2026.
- [2] S. Das, **L. F. O. Chamon**, S. Paternain, and C. Eksin. A Lagrangian framework for safe cooperative reinforcement learning. In *IEEE Control and Decision Conference*, 2025.
- [3] 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>.
- [4] 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>.
- [5] **L. F. O. Chamon**, A. Amice, S. Paternain, and A. Ribeiro. Resilient control: Compromising to adapt. In *IEEE Control and Decision Conference*, 2020. URL: <https://arxiv.org/abs/2004.03726>.
- [6] **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Counterfactual programming for optimal control. In *Learning for Dynamics & Control (L4DC)*, 2020.
- [7] A. Tsiamis, D. S. Kalogerias, **L. F. O. Chamon**, A. Ribeiro, and G. J. Pappas. Risk-constrained linear-quadratic regulators. In *IEEE Control and Decision Conference*, 2020. URL: <https://arxiv.org/abs/2004.04685>.
- [8] S. Paternain, M. Calvo-Fullana, **L. F. O. Chamon**, and A. Ribeiro. Learning safe policies via primal-dual methods. In *IEEE Control and Decision Conference*, 2019.
- [9] V. L. Silva, **L. F. O. Chamon**, and A. Ribeiro. Model predictive selection: A receding horizon scheme for actuator selection. In *American Control Conference*, 2019.
- [10] **L. F. O. Chamon**, A. Amice, and A. Ribeiro. Matroid-constrained approximately supermodular optimization for near-optimal actuator scheduling. In *IEEE Control and Decision Conference*, 2019.
- [11] **L. F. O. Chamon**, G. Pappas, and A. Ribeiro. The mean square error in Kalman filtering sensor selection is approximately supermodular. In *IEEE Control and Decision Conference*, 2017.

Signal Processing Conferences

- [1] N. Zilberstein, S. Segarra, and **L. F. O. Chamon**. Sampling with shielded Langevin Monte Carlo using navigation potentials. In *Asilomar Conference on Signals, Systems and Computers*, 2025. URL: <https://arxiv.org/abs/2512.22153>.
- [2] 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.
- [3] 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]**.
- [4] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Graphon filters: Signal processing in very large graphs. In *European Signal Processing Conference (EUSIPCO)*, 2020.
- [5] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. The graphon Fourier transform. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2020. URL: <https://arxiv.org/abs/1910.10195>.
- [6] **L. F. O. Chamon**, S. Paternain, M. Calvo-Fullana, and A. Ribeiro. The empirical duality gap of constrained statistical learning. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2020. URL: <https://arxiv.org/abs/2002.05183>. **[Best student paper award]**.
- [7] M. Eisen, C. Zhang, **L. F. O. Chamon**, D. D. Lee, and A. Ribeiro. Dual domain learning of optimal resource allocations in wireless systems. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2019.
- [8] M. Peifer, **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Sparse learning of parsimonious reproducing kernel Hilbert space models. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2019.
- [9] **L. F. O. Chamon**, Y. C. Eldar, and A. Ribeiro. Sparse recovery over nonlinear dictionaries. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2019.
- [10] **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Learning Gaussian processes with Bayesian posterior optimization. In *Asilomar Conference on Signals, Systems and Computers*, 2019.
- [11] M. Eisen, C. Zhang, **L. F. O. Chamon**, D. D. Lee, and A. Ribeiro. Online deep learning in wireless communication systems. In *Asilomar Conference on Signals, Systems and Computers*, 2018.
- [12] M. Peifer, **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Locally adaptive kernel estimation using sparse functional programming. In *Asilomar Conference on Signals, Systems and Computers*, 2018.
- [13] **L. F. O. Chamon**, Y. C. Eldar, and A. Ribeiro. Strong duality of sparse functional optimization. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2018.
- [14] **L. F. O. Chamon** and A. Ribeiro. Finite-precision effects on graph filters. In *IEEE Global Conference on Signal and Information Processing (GlobalSIP)*, 2017.
- [15] **L. F. O. Chamon** and A. Ribeiro. Universal bounds for the sampling of graph signals. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2017.

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