LUIZ F. O. CHAMON

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ACADEMIC POSITIONS

10/2022–present	**University of Stuttgart (DE)** *ELLIS–SimTech / AI institute*	Independent research group leader
12/2022–present	**Int. Max Planck Research School for Intelligent Systems (DE)**	Faculty
07/2021–09/2022	**University of California, Berkeley (USA)** *Simons Institute for the Theory of Computing*	Postdoctoral fellow
10/2020–06/2021	**University of Pennsylvania (USA)** *Electrical and Systems Engineering Dept.*	Postdoctoral researcher

EDUCATION

09/2015–12/2020	**University of Pennsylvania (USA)** *Thesis: Constrained learning and inference*	Ph.D. in Electrical Engineering *(Advisor: Alejandro Ribeiro)*
02/2012–02/2015	**University of São Paulo (BR)** *Thesis: Combinations of adaptive filters*	M.Sc. in Electrical Engineering *(Advisor: Cássio G. Lopes)*
01/2009–06/2009	**École Centrale de Lyon** and **INSA-Lyon (FR)** *Exchange student of the Masters in Acoustics*	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)** *Electronic Systems Engineering Dept.* 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)** *Mechanical Engineering Dept.* Design and implemention 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)** *Mechanical Engineering Dept.* Auralization study in collaboration with the Federal University of Santa Catarina (BR) and the *Institut für Technische Akustik* (RWTH, DE)	Student researcher
02/2009–06/2009	**INSAVALOR Formation Continue (FR)** Design of a ceramic tile crack detection system for *Saint-Gobain S.A.*	Consultant
01/2004–08/2004	**National Institute for Space Research (INPE, BR)** *Power Supply Group* Contributed to solar cells tests, project revisions, and *power budget negotiations* with Chinese delegations	Laboratory assistant

AWARDS

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
- Travel grants to major conferences, such as IEEE ICASSP, NeurIPS, and NSDI

SELECTED PUBLICATIONS

Total number: 63
Citations: 1802
h-index: 22

Google Scholar
0000-0001-7731-6650

See complete list on p. 6

[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.

[2] **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.

[3] 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. (* equal contribution).

[4] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Graphon signal processing. *IEEE Trans. on Signal Process.*, 69, 2021.

[5] **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.

[6] 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.

[7] **L. F. O. Chamon** and A. Ribeiro. Probably approximately correct constrained learning. In *Conference on Neural Information Processing Systems (NeurIPS)*, 2020.

[8] 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], 2019. **[Top 50 most accessed articles in IEEE TSP: May, July, Sept, Oct 2019]**.

[9] 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.

[10] **L. F. O. Chamon** and A. Ribeiro. Greedy sampling of graph signals. *IEEE Trans. on Signal Process.*, 66[1], 2018.

INVITED TALKS

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
	• *Kolloquium Technische Kybernetik*	U. Stuttgart
	• SimTech ML sessions	U. Stuttgart
	• *SHIFT: KI und eine zukünftige Gemeinschaft* (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

ACADEMIC SELF-ADMINISTRATION

01/2024–12/2026	**EURASIP** *Theoretical and Methodological Trends in Signal Processing*	Technical committee member
10/2023–09/2027	**University of Stuttgart** *General assembly of the Stuttgart Center for Simulation Science*	Deputy member
05/2020–12/2020	**University of Pennsylvania** *Penn Engineering COVID-19 Research and Academic Safety Committee*	PhD representative
01/2020–03/2020	**University of Pennsylvania** *PhD student hiring committee*	Evaluator
09/2017–07/2018	**University of Pennsylvania** *ESE PhD colloquium*	Organizer

TEACHING AND SUPERVISION

Supervision of doctoral researchers

01/2024–present	Viggo Moro	U. Stuttgart / IMPRS-IS
10/2023–present	Aneesh Barthakur	U. Stuttgart / IMPRS-IS
09/2021–present	Ignacio Hounie *Technical supervision*	U. Pennsylvania (Main supervisor: A. Ribeiro)
08/2019–09/2022	Luana Ruiz (now assistant professor at John Hopkins U.) *Technical supervision*	U. Pennsylvania (Main supervisor: A. Ribeiro)

06/2018–07/2021 Maria Peifer — U. Pennsylvania
Technical supervision — (Main supervisor: A. Ribeiro)

Supervision of master thesis

12/2023–08/2024 Nadin Elsharbatly — U. Stuttgart

Supervision of undergraduate researchers

02/2018–06/2020 Alexandre Amice (now Ph.D. student at MIT) — U. Pennsylvania
Technical supervision — (Main supervisor: A. Ribeiro)

Teaching

01/2020–05/2020 **University of Pennsylvania** — Co-lecturer (virtual)
Undergraduate signal processing (approx. 60 students)

01/2018–01/2020 **University of Pennsylvania** — Co-lecturer
Undergraduate signal processing (70–85 students, 2 terms)

01/2016–12/2019 **University of Pennsylvania** — Teaching assistant
Undergraduate stochastic processes (65–80 students, 4 terms)
Undergraduate signal processing (70–85 students, 3 terms)

2013–2014 **University of São Paulo** — Teaching assistant
Undergraduate stochastic processes
Created instructional videos that have accumulated over 490 followers and 120.000 views (**Youtube channel**—in Portuguese)

2009 **INSAVALOR Formation Continue** — Instructor
*Undergraduate laboratories, certifying workshops (*COFREND *and* Dassault Aviation*), and development of tutorial on nondestructive testing of concrete*

Mentoring

02/2022–03/2022 **Women in STEM** — Judge
ENVISION *research competition*

10/2019 **University of Pennsylvania**
Meyerhoff Scholars *meeting (U. Maryland program supporting diversity in STEM)*

06/2019–09/2019 **University of Pennsylvania** — Mentor
SUNFEST *(research experience for undergraduate program)*

06/2018–09/2018 **University of Pennsylvania** — Mentor
SUNFEST *(research experience for undergraduate program)*

09/2017 **University of Pennsylvania**
Meyerhoff Scholars *meeting (U. Maryland program supporting diversity in STEM)*

MEMBERSHIP IN SCIENTIFIC ASSOCIATION

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

REFEREE

Journals IEEE Trans. on Signal Processing (*outstanding editorial board service award*); 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, ICML, IEEE ICASSP, IEEE CDC, EUSIPCO

RESEARCH MANAGEMENT

06/2022 **University of California, Berkeley** Training
Intersections: Preventing harassment & sexual violence

08/2013–07/2019 **University of São Paulo** and **Analog Devices** Technology transfer
"Sparse cascaded-integrator-comb filters" (**Patent US10367477B2**)

LANGUAGES

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

PUBLICATION LIST

Total number: 63 Citations: 1802 h-index: 22 **Google Scholar** **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 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 Process.*, 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] 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.

[2] 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.

[3] 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.

[4] 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.

[5] 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]**.

★ [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.

★ [8] **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.

★ [9] 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.

[10] 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.

[11] 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.

[12] **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] 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.

[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.

[3] **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.

[4] **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Counterfactual programming for optimal control. In *Learning for Dynamics & Control (L4DC)*, 2020.

[5] 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.

[6] 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.

[7] 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.

[8] **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.

[9] **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] 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]**.

[3] L. Ruiz, **L. F. O. Chamon**, and A. Ribeiro. Graphon filters: Signal processing in very large graphs. In *European Signal Processing Conference (EUSIPCO)*, 2020.

[4] 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.

[5] **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]**.

[6] 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.

[7] M. Peifer, **L. F. O. Chamon**, S. Paternain, and A. Ribeiro. Sparse learning of parsimonious reproducing kernel Hilbert space models. In *IEEE Inter-*

national Conference in Acoustic, Speech, and Signal Processing (ICASSP), 2019.

[8] **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.

[9] **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.

[10] 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.

[11] 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.

[12] **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.

[13] **L. F. O. Chamon** and A. Ribeiro. Finite-precision effects on graph filters. In *IEEE Global Conference on Signal and Information Processing (GlobalSip)*, 2017.

[14] **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.

[15] **L. F. O. Chamon** and A. Ribeiro. Near-optimality of greedy set selection in the sampling of graph signals. In *IEEE Global Conference on Signal and Information Processing (GlobalSip)*, 2016.

[16] C. G. Lopes, **L. F. O. Chamon**, and V. H. Nascimento. Towards spatially universal adaptive networks. In *IEEE Global Conference on Signal and Information Processing (GlobalSip)*, 2014.

[17] **L. F. O. Chamon** and C. G. Lopes. There's plenty of room at the bottom: Incremental combinations of sign-error LMS filters. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2014.

[18] **L. F. O. Chamon** and A. M. P. de Lucena. Determination of the minimum distance between symbols of the two non-orthogonal M-QAM carriers. In *Brazilian Telecommunication Symposium (SBrT)*, 2013.

[19] **L. F. O. Chamon** and C. G. Lopes. On parallel-incremental combinations of LMS filters that outperform the Affine Projection Algorithm. In *Brazilian Telecommunication Symposium (SBrT)*, 2013.

[20] **L. F. O. Chamon** and C. G. Lopes. Transient performance of an incremental combination of LMS filters. In *European Signal Processing Conference (EUSIPCO)*, 2013.

[21] R. F. Bittencourt, **L. F. O. Chamon**, S. Futatsugui, J. I. Yanagihara, and S. N. Y. Gerges. Preliminary results on the modeling of aircraft vibroacoustic comfort. In *INTERNOISE*, 2012.

[22] **L. F. O. Chamon**, H. F. Ferro, and C. G. Lopes. A data reusage algorithm based on incremental combination of LMS filters. In *Asilomar Conference on Signals, Systems and Computers*, 2012.

[23] **L. F. O. Chamon**, W. B. Lopes, and C. G. Lopes. Combination of adaptive filters with coefficients feedback. In *IEEE International Conference in Acoustic, Speech, and Signal Processing (ICASSP)*, 2012.

[24] **L. F. O. Chamon** and C. G. Lopes. Combination of adaptive filters for relative navigation. In *European Signal Processing Conference (EUSIPCO)*, 2011.

[25] **L. F. O. Chamon**, G. S. Quiqueto, S. R. Bistafa, and V. H. Nascimento. An SVD-based MIMO equalizer applied to the auralization of aircraft noise in a cabin simulator. In *18th International Congress on Sound and Vibration (ICSV)*, 2011.

[26] G. S. Quiqueto, **L. F. O. Chamon**, and S. R. Bistafa. Preliminary results on the development of an aircraft cabin N&V simulator. In *II SAE Brazil International Noise and Vibration Congress*, 2010.

[27] **L. F. O. Chamon**, G. S. Quiqueto, and S. R. Bistafa. The application of the Singular Value Decomposition for the decoupling of the vibratory reproduction system of an aircraft cabin simulator. In *II SAE Brazil International Noise and Vibration Congress*, 2010.