

LUIZ F. O. CHAMON

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ACADEMIC POSITIONS

10/2022–present	University of Stuttgart <i>ELLIS–SimTech / KI institute</i>	Independent research group leader
12/2022–present	International Max Planck Research School for Intelligent Systems	Faculty
07/2021–09/2022	University of California, Berkeley <i>Simons Institute for the Theory of Computing</i>	Postdoctoral fellow
10/2020–06/2021	University of Pennsylvania <i>Electrical and Systems Engineering Dept.</i>	Postdoctoral researcher

EDUCATION

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

PROFESSIONAL EXPERIENCE

02/2015–08/2015	University of São Paulo <i>Electronic Systems Engineering Dept.</i> Design and prototype of an open source microphone array for acoustic imaging (GitHub)	Research staff
02/2010–12/2013	University of São Paulo <i>Mechanical Engineering Dept.</i> Responsible for designing and implementing the vibroacoustic system of a full-sized aircraft cabin simulator in collaboration with <i>EMBRAER</i>	Research staff
04/2014–03/2015	EMBRAER S.A. Statistical analysis of comfort data from over 1000 individuals collected over the course of more than 60 simulated flights	Consultant
10/2009–12/2011	University of São Paulo <i>Mechanical Engineering Dept.</i> Auralization study in collaboration with the Federal University of Santa Catarina (Brazil) and the <i>Institut für Technische Akustik</i> (RWTH, Germany)	Student researcher
02/2009–06/2009	INSACAST Formation Continue Design of a crack detection system for <i>Saint-Gobain</i>	Consultant
01/2004–08/2004	National Institute for Space Research (INPE) <i>Power Supply Group</i> Contributed to solar cells tests, project revisions, and <i>power budget negotiations</i> with Chinese delegations	Laboratory assistant

AWARDS

- 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
Dept. of Electrical and Systems Engineering, University of Pennsylvania
- Travel grants to major conferences, such as IEEE ICASSP, NeurIPS, and NSDI.

SELECTED PUBLICATIONS

Total number: 61

Citations: 1389

h-index: 19

 Google Scholar

 0000-0001-7731-6650

- [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] **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>.
- [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. URL: <https://arxiv.org/abs/2110.15767>. (* equal contribution).
- [4] 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>.
- [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. URL: <https://arxiv.org/abs/1912.03799>.
- [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. URL: <https://arxiv.org/abs/2006.03548>.
- [7] **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>.
- [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. URL: <https://arxiv.org/abs/1807.08088>. **[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. URL: <https://arxiv.org/abs/1910.13393>.
- [10] **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>.

INVITED TALKS

2024	• Tutorial: "Constrained learning from supervised to reinforced"	AAAI
2023	• Cyber Valley at University of Stuttgart	U. Stuttgart
	• SimTech 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>	Kunstmuseum Stuttgart
	• ELLIS/CIS Network Seminar	EPFL
2022	• Young Investigators Lecture Series	Caltech
	• Foundations of Data Science Institute (FODSI) retreat	Simons Institute
2021	• Deep Learning Theory Symposium	Simons Institute
	• Microsoft Research	
	• EECS seminar	MIT
	• Mathematical Institute for Data Science (MINDS)	Johns Hopkins U.
	• Toyota Technological Institute at Chicago (TTIC)	
2020	• Center for Wireless Autonomous Systems	Intel

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

ACADEMIC SELF-ADMINISTRATION

10/2023–09/2027	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

TEACHING AND SUPERVISION

Supervision of doctoral researchers

01/2024–present	Viggo Moro	U. Stuttgart / IMPRS-IS
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10/2023–present	Aneesh Barthakur	U. Stuttgart / IMPRS-IS
09/2021–present	Ignacio Hounie (co-supervisor; main supervisor: Prof. Dr. Alejandro Ribeiro)	U. Pennsylvania
08/2019–09/2022	Luana Ruiz (now assistant professor at John Hopkins U.) (co-supervisor; main supervisor: Prof. Dr. Alejandro Ribeiro)	U. Pennsylvania
06/2018–07/2021	Maria Peifer (co-supervisor; main supervisor: Prof. Dr. Alejandro Ribeiro)	U. Pennsylvania

Supervision of undergraduate researchers

02/2018–06/2020	Alexandre Amice (now PhD student at MIT) (co-supervisor; main supervisor: Prof. Dr. Alejandro Ribeiro)	U. Pennsylvania
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Teaching

01/2016–05/2020	University of Pennsylvania <i>Undergraduate stochastic processes and signal processing</i>	Teaching assistant and Lecturer
2013–2014	University of São Paulo <i>Undergraduate stochastic processes</i> Created instructional videos that have accumulated over 490 followers and 120.000 views (Youtube —in Portuguese)	Teaching assistant
2009	INSACAST Formation Continue Taught undergraduate laboratories, certifying workshops (COFREND and Dassault Aviation), and developed tutorial on nondestructive testing of concrete	Instructor

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

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" (Patent US10367477B2)</i>	Technology transfer

LANGUAGES

English (TOEFL iBT 2014: 114), French (fluent), Portuguese (fluent), Spanish (advanced), Greek (basic)

PUBLICATION LIST

(Note: selected publications are marked with a ★)

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|------------------|---|
| Preprints | <ul style="list-style-type: none"> [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. <i>arXiv</i>, 2016. URL: https://arxiv.org/abs/1608.03248. |
| Patents | <ul style="list-style-type: none"> [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 | <ul style="list-style-type: none"> [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. <i>IEEE Trans. on Autom. Control.</i>, 2024. URL: https://arxiv.org/abs/2102.11941. [1] C. G. Lopes, V. H. Nascimento, and L. F. O. Chamon. Distributed universal adaptive networks. <i>IEEE Trans. on Signal Process.</i>, 71, 2023. URL: https://arxiv.org/abs/2307.05746. [2] S. Paternain, M. Calvo-Fullana, L. F. O. Chamon, and A. Ribeiro. Safe policies for reinforcement learning via primal-dual methods. <i>IEEE Trans. on Autom. Control.</i>, 68[3], 2023. URL: https://arxiv.org/abs/1911.09101. [3] L. Ruiz, L. F. O. Chamon, and A. Ribeiro. Transferability properties of graph neural networks. <i>IEEE Trans. on Signal Process.</i>, 71, 2023. URL: https://arxiv.org/abs/2112.04629. [2] L. F. O. Chamon, S. Paternain, M. Calvo-Fullana, and A. Ribeiro. Constrained learning with non-convex losses. <i>IEEE Trans. on Inf. Theory</i>, 69[3], 2023. URL: https://arxiv.org/abs/2103.05134. [4] L. F. O. Chamon, A. Amice, and A. Ribeiro. Approximately supermodular scheduling subject to matroid constraints. <i>IEEE Trans. on Autom. Control.</i>, 67[3], 2022. URL: https://arxiv.org/abs/2003.08841. [4] L. Ruiz, L. F. O. Chamon, and A. Ribeiro. Graphon signal processing. <i>IEEE Trans. on Signal Process.</i>, 69, 2021. URL: https://arxiv.org/abs/2003.05030. [5] L. F. O. Chamon, G. J. Pappas, and A. Ribeiro. Approximate supermodularity of Kalman filter sensor selection. <i>IEEE Trans. on Autom. Control.</i>, 66[1], 2021. URL: https://arxiv.org/abs/1912.03799. [5] M. Peifer, L. F. O. Chamon, S. Paternain, and A. Ribeiro. Sparse multiresolution representations with adaptive kernels. <i>IEEE Trans. on Signal Process.</i>, 68[1], 2020. URL: https://arxiv.org/abs/1905.02797. [6] L. F. O. Chamon, Y. C. Eldar, and A. Ribeiro. Functional nonlinear sparse models. <i>IEEE Trans. on Signal Process.</i>, 68[1], 2020. URL: https://arxiv.org/abs/1811.00577. [8] M. Eisen, C. Zhang, L. F. O. Chamon, D. D. Lee, and A. Ribeiro. Learning optimal resource allocations in wireless systems. <i>IEEE Trans. on Signal Process.</i>, 67[10], 2019. URL: https://arxiv.org/abs/1807.08088. [Top 50 most accessed articles in IEEE TSP: May, July, Sept, Oct 2019]. [10] L. F. O. Chamon and A. Ribeiro. Greedy sampling of graph signals. <i>IEEE Trans. on Signal Process.</i>, 66[1], 2018. URL: https://arxiv.org/abs/1704.01223. |

ML & Systems Conferences

- [7] 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.
- [8] H. F. Ferro, **L. F. O. Chamon**, and C. G. Lopes. FIR-IIR adaptive filters hybrid combination. *IET Electronics Letters*, 50[7], 2014.
- [1] 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>.
- [2] 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>.
- [3] 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].
- [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. URL: <https://arxiv.org/abs/2110.15767>. (* equal contribution).
- [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. URL: <https://arxiv.org/abs/2006.03548>.
- [7] **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>.
- [4] 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>.
- [5] 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.
- [6] **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 International 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 (SBTr)*, 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 (SBTr)*, 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 reuse 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 repro-

duction system of an aircraft cabin simulator. In *II SAE Brazil International Noise and Vibration Congress*, 2010.