

EDUCATION

Yale University

Postdoctoral Research in Applied Mathematics, Host: Prof. Ronald R. Coifman 2017–2018

Tel Aviv University

Ph.D. in Electrical Engineering, GPA: 93 2012–2017

– Advisors: Prof. [Amir Averbuch](#) and Prof. [Arie Yeredor](#).

Tel Aviv University

M.Sc. in Electrical Engineering 2010–2012

– Advisors: Prof. [Arie Yeredor](#) and Prof. [Israel Cohen](#).

Technion - Israel Institute of Technology

B.Sc. in Electrical Engineering, B.Sc. in Physics (both Summa Cum Laude), GPA: 96 2006–2010

WORK EXPERIENCE

Bar-Ilan University

Assistant Professor at the Faculty of Engineering 2021–Present

Yale University Gibbs Assistant Professor in Applied Mathematics 2018–2021

Tel Aviv University

Head Teaching Assistant 2012–2017

Zoran Microelectronics

Analog Circuit designer 2008–2010

Israeli Air Force

Flight Cadet 2002–2004

RESEARCH INTEREST

My research is mainly focused on developing machine learning frameworks for scientific discovery. I am interested in the theory and practice of the following challenges:

- **Interpretability-** exploiting sparsity to learn robust interpretable models that lead to the identification of predictive variables.
- **Unsupervised learning-** extracting latent parameters from high dimensional or multi-modal data.
- **Generative Models-** enhancing reliability and stability of generative models to enable synthesis of rare sub-populations in scientific measurements.
- **Sparse Neural Networks-** efficient sparsification techniques for reducing memory and computational complexity of over-parameterized models.

TEACHING EXPERIENCE

- **Lecturer** at Bar-Ilan University
“*Neural Networks*” Spring 2024, 2025
- **Lecturer** at Bar-Ilan University
“*Ashnav*” Spring 2024, 2025
- **Lecturer** at Bar-Ilan University
“*Multimodal Learning*” Fall 2023, 2024
- **Lecturer** at Tel Aviv University
“*Unsupervised Learning*” Fall 2022, 2023
- **Lecturer** at Bar-Ilan University
“*Unsupervised Learning*” Fall 2021, 2022, 2023, 2024
- **Lecturer** at Yale University
“*Linear algebra with applications*” (MATH 222) Fall 2018, 2020
- **Lecturer** at Yale University
Senior seminar: “*Mathematical topics on networks*” (MATH 480) Spring 2018–2020
- **Head Teaching Assistant** at Tel Aviv University
“*Analog Circuits*” 2012–2017
- **Head Teaching Assistant** at Tel Aviv University
“*Basic Electronics*” 2013–2017
- **Teaching Assistant** at Tel Aviv University
“*Random Signals and Noise*” 2012
- **Undergraduate Project Supervisor** at Tel Aviv University
Guided 6 signal processing projects including 2 excellence project awards 2012–2016

SCHOLARSHIPS AND AWARDS

- The Rector Prize for Scientific Innovation 2026
- The Weinstein Research Institute for Signal Processing award for scientific paper publication 2016
- The David and Paulina Trotsky foundation award for outstanding Ph.D. students 2015
- Tel Aviv university award for outstanding teaching assistants 2014
- The Weinstein Research Institute for Signal Processing award for outstanding graduate students 2011
- President’s list, The Technion- Israel Institute of Technology 2006–2010

ACADEMIC EXPERIENCE

- **Seminar organization:** Bar Ilan University- Learning Club 2023–Present
- **Area Chair:** International Conference on Machine Learning (ICML) 2025–Present
- **Area Chair:** Conference on Neural Information Processing Systems (NeurIPS) 2024–Present
- **Action Editor:** Transactions on Machine Learning Research (TMLR) 2024–Present
- **Reviewer:** Transactions on Image Processing 2022–Present
- **Reviewer:** International Conference on Learning Representations (ICLR) 2020–Present
- **Reviewer:** Conference on Neural Information Processing Systems (NeurIPS) 2018–Present
- **Reviewer:** International Conference on Machine Learning (ICML) 2019–Present
- **Reviewer:** Transactions on Machine Learning Research (TMLR) 2022–2024

• Advisor: <i>Bar Ilan University- Galim Program</i>	2022–2023
• Reviewer: <i>SIAM Journal on Mathematics of Data Science</i>	2019
• Reviewer: <i>IEEE Transactions on signal processing</i>	2015–2018
• Seminar organizer: <i>Yale University- Program in applied mathematics</i>	2019–2021

GRANTS

• Ministry of Science and Technology of Israel, 500K NIS (PI)	2024–2027
• Directorate of Defense Research & Development, 200K NIS (Co-PI)	2023–2024
• Directorate of Defense Research & Development, 100K NIS (Co-PI)	2023–2024
• The Council for Higher Education in Isreal, 100K NIS (PI)	2022–2023
• Collaborator on several NIH grants in genomics	2019–2022

GRADUATE STUDENTS

Current

PhD:

1. Ran Eisenberg, *Deep Learning Techniques for Multimodal Omic Data*. Start: 2022.
2. Yehonathan Refael, *Revisiting Basic Paradigms in Deep Learning*. Start: 2023. (with Dr. Wasim Huliehel)

MSc:

1. Adam Aharony, *Contrastive interpretability*. Start: 2025.
2. Gilad Zusman, *Representation learning for tabular data using B-spline embeddings..* Start: 2025.
3. David Schiff, *Gradient free reinforcement learning with TabPFN*. Start: 2025.
4. Alon Avrahami, *Contrastive concept bottleneck model*. Start: 2024. (with Dr. Ethan Fetaya)
5. Yoni Newman, *Sparsification for robust foundation models*. Start: 2025. (with Prof. Gonen Singer)
6. Omer Vigder, *Robustness to spurious correlation via a neural collapse perspective*. Start: 2023. (with Dr. Tom Tirer)
7. Guy Zager, *Conditional denoiser auto-encoders*. Start: 2022.

Former

PhD:

1. Jonathan Svirsky, *Dynamic Sparsification for Deep Learning Models*. Start: 2022. Graduation: 2026.
2. Barak Battash, *Revisiting Basic Paradigms in Deep Learning*. Start: 2022. (with Prof. Lior Wolf). Graduation: 2026.
3. Amit Rozner, *Learning Without Supervision in Real-World Data*. Graduation: 2025.

MSc:

1. Erel Naor, *Hybrid tree and neural networks for self-supervised learning with tabular data*. Graduation: 2026.
2. Rani Amar, *Efficient test time adaptation of vision models..* Graduation: 2026.
3. Shira Schiber, *Temporal guidance of video generation..* Graduation: 2025. (with Dr. Idan Shwartz)

4. Yuval Grinberg, *Noise-Gated Transition Correction for Learning with Noisy Labels*. Graduation: 2025.
5. Itamar Tsayag, *Uncovering Strong Lottery Tickets with Stochastic Gates*. Graduation: 2025.
6. Afek Steinberg, *Conditional canonical correlation analysis*. Graduation: 2025.
7. Idan Cohen, *Deep Local Conformal Autoencoders for Semi-Supervised Acoustic Scene Mapping and Speaker Tracking*. Graduation: 2024. (with Prof. Sharon Gannot)
8. Ofek Ophir, *Sparsification for robust foundation models*. Graduation: 2024. (with Prof. Lior Wolf)
9. Kobi Rahimi, *Unveiling double descent in unsupervised learning*. Graduation: 2024. (with Dr. Tom Tirer)
10. Shir Barzel, *Self-Supervised Learning Framework for CIE-XYZ Reconstruction from Non-Linear sRGB Images*. Graduation: 2024. (with Prof. Amir Averbuch)
11. Mordechai Swissa, *Neural Network Depth Reduction with Learnable Activations*. Graduation: 2023.
12. Jonathan Gradstein, *Imbalanced Classification via a Tabular Translation GAN*. Graduation: 2023. (with Prof. Amir Averbuch)
13. Roni Yasinnik, *Imbalanced Classification via Explicit Gradient Learning From Augmented Data*. Graduation: 2023. (with Prof. Amir Averbuch)

INVITED TALKS

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| • Technion Israel Institute of Technology, Electrical and Computer Engineering | 2025 |
| • Ben Gurion University, Computer Science | 2025 |
| • Tel Aviv University, School of Electrical Engineering | 2025 |
| • The Hebrew University of Jerusalem, Computer Science & Engineering | 2024 |
| • The Hebrew University of Jerusalem, Statistics | 2024 |
| • Tel Aviv University, Applied Math | 2024 |
| • Weizmann institute | 2023 |
| • Bar Ilan University, Learning club | 2022 |
| • Tel Aviv University, Applied Math | 2021 |
| • Technion Israel Institute of Technology, Electrical and Computer Engineering | 2021 |
| • Yale University, Program in Applied Mathematics | 2021 |
| • Second Symposium on Machine Learning and Dynamical Systems online | 2020 |
| • Weizmann University, Faculty of Mathematics and Computer Science | 2018 |
| • University of California, Berkeley, Department of Electrical Engineering | 2016 |
| • Princeton University, Mathematics Program in Applied and Computational Mathematics | 2016 |
| • Yale University, Program in Applied Mathematics | 2016 |
| • California Institute of Technology | 2014 |
| • Yale University, Program in Applied Mathematics | 2014 |

CONTRIBUTED TALKS

• Uncertainty in Artificial Intelligence (UAI)	2024
• International Conference on Machine Learning (ICML)	2024
• Uncertainty in Artificial Intelligence (UAI)	2023
• International Conference on Machine Learning (ICML)	2022
• International Conference on Learning Representations (ICLR)	2022
• Conference on Neural Information Processing Systems (NeurIPS)	2021
• International Conference on Machine Learning (ICML)	2020
• European Conference on Computer Vision (ECCV)	2020
• Conference on Neural Information Processing Systems (NeurIPS), spotlight talk	2018
• IEEE 16th International Conference on Data Mining Workshops (ICDMW)	2016
• IEEE International Conference on the Science of Electrical Engineering (ICSEE)	2016
• IEEE International Workshop on Machine Learning for Signal Processing (MLSP)	2013
• IEEE Convention of Electrical and Electronics Engineers in Israel (IEEEI)	2010

Journal and Full Length Conference Papers

1. D. Schiff, **O. Lindenbaum**, Y. Efroni, [ICR-RL: Deep Reinforcement Learning via In-Context-Regression](#). *International Conference on Machine Learning (ICML)*, 2026.
2. R. Eisenberg, **O. Lindenbaum**, Learning Permutation from Structure Without Supervision. *International Conference on Machine Learning (ICML)*, 2026.
3. J. Svirsky, Y. Refael, **O. Lindenbaum**, [Train Less, Infer Faster: Efficient Model Finetuning and Compression via Structured Sparsity](#). *The 29th International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2026.
4. S. Schiber, **O. Lindenbaum**, I. Schwartz, [TempoControl: Temporal Attention Guidance for Text-to-Video Models](#). *The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2026.
5. R. Li, J. Yang, P.-C. Su, A. Jaffe, **O. Lindenbaum**, Y. Kluger, [DiCoLo: Integration-free and Cluster-free Detection of Localized Differential Gene Co-expression in Single-cell Data](#). *The 30th Annual International Conference on Research in Computational Molecular Biology (RECOMB)*, 2026.
6. Y. Refael, G. Smorodinsky, **O. Lindenbaum**, I. Safran, [No Prior, No Leakage: Revisiting Reconstruction Attacks in Trained Neural Networks](#). *The Fourteenth International Conference on Learning Representations (ICLR)*, 2026.
7. J. Svirsky, Y. Refael, **O. Lindenbaum**, [Train Less, Infer Faster: Efficient Model Finetuning and Compression via Structured Sparsity](#). *The 29th International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2026.
8. S. Lifshitz, **O. Lindenbaum**, G. Mishne, R. Meir, H. Benisty, [Unsupervised Feature Selection Through Group Discovery](#). *The 40th Annual AAAI Conference on Artificial Intelligence*, 2026. (oral, top 2% papers)
9. R. Li, J. Yang, P. Su, A. Jaffe, **O. Lindenbaum**, Y. Kluger, [DiCoLo: Integration-free and cluster-free detection of localized differential gene co-expression in single-cell data](#). *The 30th Annual International Conference on Research in Computational Molecular Biology (RECOMB)*, 2026.
10. E. Naor and **O. Lindenbaum**, [Hybrid Autoencoders for Tabular Data: Leveraging Model-Based Augmentation in Low-Label Settings](#). *Advances in Neural Information Processing Systems (NeurIPS)*, 2025.
11. Y. Refael, G. Smorodinsky, T. Tirer, and **O. Lindenbaum**, [SUMO: Subspace-Aware Moment-Orthogonalization for Accelerating Memory-Efficient LLM Training](#). *Advances in Neural Information Processing Systems (NeurIPS)*, 2025.
12. E. Peterfreund, **O. Lindenbaum**, Y. Kluger, B. Landa, “[Partition First, Embed Later: Laplacian-Based Feature Partitioning for Refined Embedding and Visualization of High-Dimensional Data](#).” *International Conference on Machine Learning (ICML)*, 2025. (oral, top 1% papers).

13. R. Eisenberg, J. Svirsky, **O. Lindenbaum**, “COPER: Correlation-based Permutations for Multi-View Clustering.” *International Conference on Learning Representations (ICLR)*, 2025. (spotlight, top 4% papers).
14. Y. Refael, J. Svirsky, B. Shistin, W. Huleihel, **O. Lindenbaum**, “AdaRankGrad: Adaptive Gradient Rank and Moments for Memory-Efficient LLMs Training and Fine-Tuning.” *International Conference on Learning Representations (ICLR)*, 2025.
15. T. Konstantinovskiy, A. Peres, R. Eisenberg, P. Polak, **O. Lindenbaum**, Gur Yaari, “Enhancing sequence alignment of adaptive immune receptors through multi-task deep learning.” *Nucleic Acid Research (NAR)*, 2025.
16. I. Cohen, S. Gannot, **O. Lindenbaum**, “Synthetic Aperture Local Conformal Autoencoder for Semi-Supervised Speaker’s DOA Tracking.” *IEEE Transactions on Audio, Speech and Language Processing*, 2025.
17. K. Rahimi, Y. Refael, T. Tirer, **O. Lindenbaum**, “Unveiling Multiple Descents in Unsupervised Autoencoders.” *Transactions on Machine Learning Research (TMLR)*, 2025.
18. A. Jacobi, **O. Lindenbaum**, U. Shaham, “Generalizable and Robust Spectral Method for Multi-view Representation Learning.” *Transactions on Machine Learning Research (TMLR)*, 2025.
19. Y. Zimmer, **O. Lindenbaum**, O. Glickman, “Supervised Embedded Methods for Hyperspectral Band Selection.” *European Conference on Artificial Intelligence (ECAI)*, 2025.
20. D. Segal, **O. Lindenbaum**, A. Jaffe, “Spectral Self-supervised Feature Selection.” *Transactions on Machine Learning Research (TMLR)*, 2024.
21. R. Sristi, **O. Lindenbaum**, M. Lavzin, J. Schiller, G. Mishne, H. Benisty, “Contextual Feature Selection with Conditional Stochastic Gates.” *International Conference on Machine Learning (ICML)*, 2024.
22. J. Svirsky, **O. Lindenbaum**, “Interpretable Deep Clustering for Tabular Data.” *International Conference on Machine Learning (ICML)*, 2024.
23. A. Rozner, B. Battash, L. Wolf, **O. Lindenbaum**, “Anomaly Detection with Variance Stabilized Density Estimation.” *The Conference on Uncertainty in Artificial Intelligence (UAI)*, 2024.
24. **O. Lindenbaum**, Y. Aizenbud, Y. Kluger, “Transductive and Inductive Outlier Detection with Robust Autoencoders.” *The Conference on Uncertainty in Artificial Intelligence (UAI)*, 2024.
25. B. Battash, L. Wolf, **O. Lindenbaum**, “Revisiting the noise model of stochastic gradient descent.” *International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2024.
26. A. Rozner, B. Battash, **O. Lindenbaum**, L. Wolf, “Domain-generalizable multiple-domain clustering.” *Transactions on Machine Learning Research (TMLR)*, 2024.
27. A. Rozner, B. Battash, L. Wolf, **O. Lindenbaum**, “Knowledge Editing in Language Models via Adapted Direct Preference Optimization.” *Empirical Methods in Natural Language Processing (EMNLP Findings)*, 2024.
28. J. Svirsky, U. Shaham, **O. Lindenbaum**, “Sparse Binarization for Fast Keyword Spotting.” *Interspeech*, 2024.
29. O. Ofek, O. Shefi, **O. Lindenbaum**, “Classifying Neuronal Cell Types Based on Shared Electrophysiological Information from Humans and Mice.” *Neuroinformatics*, 2024.
30. A. Rozner, B. Battash, **O. Lindenbaum**, L. Wolf, “Efficient Verification-Based Face Identification.” *IEEE International Conference on Automatic Face and Gesture Recognition*, 2024.
31. S. Barzel, M. Salhov, **O. Lindenbaum**, A. Averbuch, “SEL-CIE: Self-Supervised Learning Framework for CIE-XYZ Reconstruction from Non-Linear sRGB Images.” *International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision*, 2024.
32. J. Yang, **O. Lindenbaum**, Y. Kluger, A. Jaffe, “Multi-modal Differentiable Unsupervised Feature Selection.” *The Conference on Uncertainty in Artificial Intelligence (UAI)*, 2023.

33. S. Jana, H. Li, Y. Yamada, **O. Lindenbaum**, “Support recovery with Projected Stochastic Gates: Theory and application for linear models.” *Elsevier Signal Processing*, 2023.
34. J. Yang*, **O. Lindenbaum***, Y. Kluger, “Locally Sparse Neural Networks for Tabular Biomedical Data.” *International Conference on Machine Learning (ICML)*, 2022.
35. **O. Lindenbaum**, M. Salhov, A. Averbuch, Y. Kluger, “ ℓ_0 -based Sparse Canonical Correlation Analysis.” *International Conference on Learning Representations (ICLR)*, 2022.
36. U. Shaham*, **O. Lindenbaum***, J. Svirsky, Y. Kluger, “Deep Unsupervised Feature Selection by Discarding Nuisance and Correlated Features.” *Elsevier, Neural Networks*, 2022.
37. **O. Lindenbaum**, S. Steinerberger, “Refined Least Squares for Support Recovery.” *Elsevier, Signal Processing*, 2022.
38. S. Farhadian, **O. Lindenbaum**, J. Zhao, et al., “HIV viral transcription and immune perturbations in the CNS of people with HIV despite ART.” *JCI Insight*, 2022.
39. **O. Lindenbaum***, U. Shaham*, J. Svirsky, E. Peterfreund, Y. Kluger, “Differentiable Unsupervised Feature Selection Based on a Gated Laplacian.” *Conference on Neural Information Processing Systems (NeurIPS)*, 2021.
40. J. Zhao, A. Jaffe, H. Li, **O. Lindenbaum**, X. Cheng, R. Flavell, Y. Kluger, “Detecting regions of differential abundance between scRNA-seq datasets.” *Proceedings of the National Academy of Sciences (PNAS)*, 118.22, 2021.
41. **O. Lindenbaum***, A. Sagiv*, G. Mishne, R. Talmon, “Kernel-based parameter estimation of dynamical systems with unknown observation functions.” *Chaos: An Interdisciplinary Journal of Nonlinear Science*, 31.4: 043118, 2021.
42. L. Irshaid, E. Weinberger, J. Garritano, R. Shallis, J. Patsenker, **O. Lindenbaum**, Y. Kluger, S. Katz, M. Xu. “Histopathologic and Machine Deep Learning Criteria to Predict Lymphoma Transformation in Bone Marrow Biopsies.” *Archives of Pathology and Laboratory Medicine*, 2021.
43. **O. Lindenbaum**, N. Nouri, Y. Kluger, S. H. Kleinstein, “Alignment free identification of clones in B cell receptor repertoires.” *Nucleic Acid Research (NAR)*, 2021.
44. **O. Lindenbaum**, S. Steinerberger, “Randomly Aggregated Least Squares for Support Recovery.” *Elsevier Journal of Signal Processing*, Vol. 180, 107858, 2021.
45. H. Li*, **O. Lindenbaum***, X. Cheng, A. Cloninger, “Variational Diffusion Autoencoders with Random Walk Sampling.” *European Conference on Computer Vision (ECCV)*, 2020.
46. Y. Yamada*, **O. Lindenbaum***, S. Negahban, Y. Kluger., “Feature selection using Stochastic Gates.” *International Conference on Machine Learning (ICML)*, 2020.
47. E. Peterfreund*, **O. Lindenbaum***, F. Dietrich, T. Bertalan, M. Gavish, I. G. Kevrekidis, R. R. Coifman, “LOcal Conformal Autoencoder for standardized data coordinates.” *Proceedings of the National Academy of Sciences (PNAS)*, 117(49), pp.30918-30927, 2020.
48. A. Jaffe, Y. Kluger, **O. Lindenbaum**, J. Patsenker, E. Peterfreund, S. Steinerberger. (alphabetical order) “The Spectral Underpinning of word2vec.” *Frontiers in Applied Mathematics and Statistics*, 6:593406, 2020.
49. **O. Lindenbaum**, M. Salhov, A. Yeredor, A. Averbuch, “Gaussian Bandwidth Selection for Manifold Learning and Classification.” *Data Mining and Knowledge Discovery*, pp. 1-37, 2020.
50. Y. Bregman, **O. Lindenbaum**, N. Rabin, “Array Based Earthquakes-Explosion Discrimination Using Diffusion Maps.” *Pure and Applied Geophysics*, pp. 1-16, 2020.
51. **O. Lindenbaum**, A. Yeredor, M. Salhov, A. Averbuch, “Multiview diffusion maps.” *Information Fusion*, vol. 55, pp. 127-149, 2020.
52. **O. Lindenbaum**, N. Rabin, Y. Bregman, A. Averbuch, “Seismic Event Discrimination Using Deep CCA.” *IEEE Geoscience and Remote Sensing Letters*, 2019.

53. M Salhov, **O. Lindenbaum**, Y Aizenbud, A Silberschatz, Y Shkolnisky, A Averbuch, “Multi-view kernel consensus for data analysis.” *Applied and Computational Harmonics Analysis (ACHA)*, vol. 49.1, pp. 208-228, 2019.
54. **O. Lindenbaum***, Jay S. Stanley III*, Guy Wolf, Smita Krishnaswamy, “Geometry-Based Data Generation.” *Conference on Neural Information Processing Systems (NeurIPS)*, 2018 (spotlight, top 4% papers).
55. **O. Lindenbaum**, Y. Bregman, N. Rabin, A. Averbuch, “Multi-View Kernels for Low-Dimensional Modeling of Seismic Events.” *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, vol. 56.6, pp. 3300-3310, 2018.
56. N. Rabin, Y. Bregman, **O. Lindenbaum**, Y. Ben-Horin, A. Averbuch, “Earthquake-explosion discrimination using diffusion maps.” *Geophysical Journal International*, vol. 207.3, pp. 1484-1492, 2018.
57. **O. Lindenbaum**, A. Yeredor, I. Cohen, “Musical key extraction using diffusion maps.” *Elsevier Journal of Signal Processing*, vol. 117, pp. 198-207, 2015.
58. **O. Lindenbaum**, A. Yeredor, R. Vitek, M. Mishali. “Blind separation of orthogonal mixtures of spatially-sparse sources with unknown sparsity levels and with temporal blocks.” *Journal of Signal Processing Systems*, 79(2), pp.167-178, 2015.

*Indicates equal contribution

Short Conference and Workshop Proceedings

1. A. Steinberg, R. Eisenberg, **O. Lindenbaum**, “Conditional Deep Canonical Time Warping.” *International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2025.
2. Y. Grinberg, N. Harel, J. Goldberger, **O. Lindenbaum**, “Detect and Correct: A Selective Noise Correction Method for Learning with Noisy Labels.” *International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision*, 2025.
3. I. Cohen, S. Gannot, **O. Lindenbaum**, “Unsupervised Acoustic Scene Mapping Based on Acoustic Features and Dimensionality Reduction.” *International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2024.
4. B. Battash, L. Wolf, **O. Lindenbaum**, “Revisiting the noise Model of SGD.” *NeurIPS 2023 Workshop Heavy Tails in Machine Learning*, 2023.
5. T. Yampolsky, R. Talmon, **O. Lindenbaum**, “Domain and Modality Adaptation Using Multi-Kernel Matching.” *European Signal Processing Conference*, 2023.
6. J. Svirsky, **O. Lindenbaum**, “SG-VAD: Stochastic Gates Based Speech Activity Detection.” *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2023.
7. O. Ophir, O. Shefi, **O. Lindenbaum**, “Neuronal Cell Type Classification Using Locally Sparse Networks.” *IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops (ICASSPW)*, 2023.
8. **O. Lindenbaum**, A. Yeredor, A. Averbuch. “Clustering based on multiview diffusion maps.” *IEEE 16th International Conference on Data Mining Workshops*, 2016.
9. **O. Lindenbaum**, N. Rabin, Y. Bregman, A. Averbuch, “Multi-channel fusion for seismic event detection and classification.” *IEEE International Conference on the Science of Electrical Engineering (ICSEE)*, 2016.
10. **O. Lindenbaum**, A. Yeredor, A. Averbuch. “Bandwidth selection for kernel-based classification.” *IEEE International Conference on the Science of Electrical Engineering (ICSEE)*, 2016.
11. A. Averbuch, M. Salhov, **O. Lindenbaum**, A. Silberschatz, Y. Shkolnisky, “Multi-view kernel-based data analysis.” *IEEE International Conference on the Science of Electrical Engineering (ICSEE)*, 2016.
12. **O. Lindenbaum**, M. Salhov, A. Yeredor, “Learning coupled embedding using multiview diffusion maps.” *International Conference on Latent Variable Analysis and Signal Separation (LVA/SCA)*, 2015.

13. **O. Lindenbaum**, A. Yeredor, R. Vitek, M. Mishali. “Blind separation of spatially-block-sparse sources from orthogonal mixtures.” *IEEE. International Workshop on Machine Learning for Signal Processing (MLSP)*, 2013.
14. **O. Lindenbaum**, S. Maskit, O. Kutiel, G. Nave, “Musical features extraction for audio-based search.” *IEEE 26th Convention of Electrical and Electronics Engineers in Israel (IEEEI)*, 2010.

Refereed Abstracts

1. S. Farhadian, **O. Lindenbaum**, J. Zhao, R. Garcia-Milian, J. Chiarella, M. Chintanaphol, R. Calvi, Y. Kluger, and S.S. Spudich., “Single-cell genomic analysis of blood and csf t cells in hiv+ and hiv-adults.” *Conference on Retroviruses and Opportunistic Infections*, 2020.
2. **O. Lindenbaum***, E. Peterfreund*, F. Dietrich, T. Bertalan, M. Gavish, I. G. Kevrekidis, R. R. Coifman, “LOcal Conformal Autoencoder.” *Deep Math*, 2020.
3. H. Li, **O. Lindenbaum**, X. Cheng, A. Cloninger, “Variational Diffusion Autoencoders.” *Deep Math*, 2019.