

## Papers

Waghmare, K. & **Panaretos, V.M.**

[The Completion of Covariance Kernels.](#)

*Annals of Statistics* (to appear).

Sarkar, S. & **Panaretos, V.M.**

[Covariance Networks for Functional Data on Multidimensional Domains.](#)

*Journal of the Royal Statistical Society, Series B* (to appear).

Caponera, A., Fageot, J., Simeoni, M. & **Panaretos, V.M.**

[Functional Estimation of Anisotropic Covariance and Autocovariance Operators on the Sphere.](#)

*Electronic Journal of Statistics* (to appear).

Masak, T., Sarkar, S. & **Panaretos, V.M.**

[Separable Expansions for Covariance Estimation via the Partial Inner Product.](#)

*Biometrika* (to appear).

Masak, T. & **Panaretos, V.M.**

[Random Surface Covariance Estimation by Shifted Partial Tracing.](#)

*Journal of the American Statistical Association, Theory & Methods* (to appear).

Masak, T., Rubin, T. & **Panaretos, V.M.**

[Inference and Computation for Sparsely Sampled Random Surfaces.](#)

*Journal of Computational and Graphical Statistics* (to appear).

Ghodrati, L. & **Panaretos, V.M.**

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*Biometrika* (to appear).

Caponera, A. & **Panaretos, V.M.** (2022)

[On the Rate of Convergence for the Autocorrelation Operator in Functional Autoregression.](#)

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Chakraborty, A. & **Panaretos, V.M.** (2021)

[Functional Registration and Local Variations: Identifiability, Rank, and Tuning.](#)

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Rubin, T. & **Panaretos, V.M.** (2020)

[Functional Lagged Regression with Sparse Noisy Observations.](#)

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[Sparsely Observed Functional Time Series: Estimation and Prediction.](#)

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- Panaretos, V.M.** & Zemel, Y. (2019)  
[Statistical Aspects of Wasserstein Distances.](#)  
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- Descary, M.-H. & **Panaretos, V.M.** (2019)  
[Recovering Covariance from Functional Fragments.](#)  
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- Masarotto, V., **Panaretos, V.M.** & Zemel, Y. (2019)  
[Procrustes Metrics on Covariance Operators and Optimal Coupling of Gaussian Processes.](#)  
*Invited Paper, Special Issue on Manifold Statistics, Sankhya A*, **81** (1): 172–213.
- Chakraborty, A. & **Panaretos, V.M.** (2019)  
[Hybrid regularisation and the \(in\)admissibility of ridge regression in infinite dimensional Hilbert spaces.](#)  
*Bernoulli*, **25** (3): 1939–1976.
- Descary, M.-H. & **Panaretos, V.M.** (2019)  
[Functional Data Analysis By Matrix Completion.](#)  
*Annals of Statistics*, **47** (1): 1–38.
- Zemel, Y. & **Panaretos, V.M.** (2019)  
[Fréchet Means and Procrustes Analysis in Wasserstein Space.](#)  
*Bernoulli*, **25** (2): 932–976.
- Pham, T. & **Panaretos, V.M.** (2018)  
[Methodology and Convergence Rates for Functional Time Series Regression.](#)  
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[Detecting and Localising Differences in Functional Time Series Dynamics: A Case Study in Molecular Biophysics.](#)  
*Journal of the American Statistical Association (Applications & Case Studies)*, **111** (515): 1020–1035.
- Panaretos, V. M.**, & Zemel, Y. (2016).  
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*Journal of the American Statistical Association (Theory & Methods)*, **109** (505): 424–436.

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## Preprints

Mohammadi, N. & **Panaretos, V.M.**  
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arXiv:2111.01542 (12 pages).

Mohammadi, N., Santoro, L. & **Panaretos, V.M.**  
[Nonparametric Estimation for SDE with Sparsely Sampled Paths: an FDA Perspective.](#)  
arXiv:2110.14433 (36 pages).

Mohammadi Jouzdani, N. & **Panaretos, V.M.**  
[Functional Data Analysis with Rough Sampled Paths?](#)  
arXiv:2105.12035 (17 pages).

Chakraborty, A. & **Panaretos, V.M.**  
[Testing for the Rank of a Covariance Operator.](#)  
arXiv:1901.02333 (51 pages).

Chakraborty, A. & **Panaretos, V.M.**  
[Regression with Genuinely Functional Errors-in-Covariates.](#)  
arXiv:1712.04290 (24 pages).

Rubin, T. & **Panaretos, V.M.**  
[Spectral Simulation of Functional Time Series.](#)  
arXiv:2007.08458 (29 pages).

## Books and Monographs

**Panaretos, V. M.** & Zemel, Y. (2020)  
[An Invitation to Statistics in Wasserstein Space.](#)  
Springer Briefs in Probability and Mathematical Statistics (Open Access).

**Panaretos, V. M.** (2016).  
[Statistics for Mathematicians: A Rigorous First Course.](#)  
Compact Textbooks in Mathematics, Birkhäuser.

**Panaretos, V. M.** (2016).  
[Statistique pour Mathématiciens: Un Premier Cours Rigoureux.](#)  
Presses Polytechniques et Universitaires Romands.

## Book Chapters

**Panaretos, V. M.** (2011).  
[Commentary on Selected Mathematical Papers of D.R. Brillinger.](#)  
In *Selected Works of David Brillinger* (ed. P. Guttorp), Springer.

## Refereed Conference Proceedings

**Panaretos, V. M.** (2012).  
[A Statistician's View on Deconvolution and Unfolding](#)  
*Proceedings of PHYSTAT 2011, CERN, Geneva.*