

## ICML 2020 Publishing Release

This Final Contribution Agreement ("Agreement") regarding the submission and publication of written material ("Articles") is made and entered into as of Sep 23, 2020 ("Effective Date") by and between Robert Krauthgamer and the International Conference on Machine Learning (ICML), located at 10010 North Torrey Pines Road , La Jolla, CA 92037.

EventTitles: Schatten Norms in Matrix Streams: Hello Sparsity, Goodbye Dimension, Coresets for Clustering in Graphs of Bounded Treewidth

Date: Jul 15, Jul 15, 2020

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- 1 . In exchange for free use of any publicly available copy of Articles I have submitted to ICML, I hereby grant to ICML a non-exclusive, perpetual, royalty-free, fully-paid, fully-assignable license to copy, distribute and publicly display all or part of the Articles, including excerpts and any derivatives thereof, for any purpose relating to the promotion of conferences or events hosted by ICML and the publication, promotion, sale, or distribution of the Articles, in all jurisdictions, throughout all media and technologies that exist currently or may exist in the future.
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**Speaker:**

Name (Print): Robert Krauthgamer

By Checking this box and typing my name in the box below, I am agreeing to electronically sign this contract:

☒ Accept ☐ Decline

Signature:

Date: Sep 23, 2020

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Name (Print): David Blei

Signature: 

International Conference on Machine Learning

Date: Sep 23, 2020

## ICML 2020 Publishing Release

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EventTitles: Schatten Norms in Matrix Streams: Hello Sparsity, Goodbye Dimension, Coresets for Clustering in Graphs of Bounded Treewidth, Obtaining Adjustable Regularization for Free via Iterate Averaging, On the Noisy Gradient Descent that Generalizes as SGD, FetchSGD: Communication-Efficient Federated Learning with Sketching

Date: Jul 15, Jul 15, Jul 14, Jul 14, Jul 14, 2020

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**Speaker:**

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Date: Sep 23, 2020

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Name (Print): David Blei

Signature: 

International Conference on Machine Learning

Date: Sep 23, 2020

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EventTitle: Schatten Norms in Matrix Streams: Hello Sparsity, Goodbye Dimension

Date: Jul 15, 2020

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Date: Sep 23, 2020

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Name (Print): David Blei

Signature: 

International Conference on Machine Learning

Date: Sep 23, 2020

## ICML 2020 Publishing Release

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EventTitle: Schatten Norms in Matrix Streams: Hello Sparsity, Goodbye Dimension

Date: Jul 15, 2020

I, Aditya Krishnan , agree that:

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---

**Speaker:**

Name (Print): Aditya Krishnan

By Checking this box and typing my name in the box below, I am agreeing to electronically sign this contract:

☒ Accept ☐ Decline

Signature:

Date: Sep 23, 2020

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Name (Print): David Blei

Signature: 

International Conference on Machine Learning

Date: Sep 23, 2020