Fourth Meeting of the Symposium on Algorithmic Principles of Computer Systems (APOCS23)

Florence, Italy 25 January 2023

ISBN: 978-1-7138-8292-3

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2023) by SIAM: Society for Industrial and Applied Mathematics All rights reserved.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact SIAM: Society for Industrial and Applied Mathematics at the address below.

SIAM 3600 Market Street, 6th Floor Philadelphia, PA 19104-2688 USA

Phone: (215) 382-9800

siambooks@siam.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400

Phone: 845-758-0400 Fax: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

APOCS 2023 TABLE OF CONTENTS

Session 1

Extending Optimal Oblivious Reconfigurable Networks to all N	
Tegan Wilson, Daniel Amir, Vishal Shrivastav, Hakim Weatherspoon and Robert Kleinberg	
Efficient Algorithms for Parallel Bi-core Decomposition	7
Yihao Huang, Claire Wang, Jessica Shi and Julian Shun	
Analyzing and Implementing GPU Hash Tables	j
Muhammad A. Awad, Saman Ashkiani, Serban D. Porumbescu, Martin Farach-Colton and John D. Owens	
Distance and Time Sensitive Filters for Similarity Search in Trajectory Datasets	
Madhav Narayan Bhat, Paul Cesaretti, Mayank Goswami and Prashant Pandey	