Guojin Chen

✉ cgjcuhk@gmail.com • 🌐 gjchen.me • in dekura • ⦿ dekura

Last updated on March 31, 2023

Publications [Google Scholar; 51+ citations, h-index: 4+]

Representative publications that I am a primary author on are highlighted.

[C10] *Physics-Informed Optical Kernel Regression Using Complex-valued Neural Fields*

Guojin Chen, Zehua Pei, Haoyu Yang, Yuzhe Ma, Bei Yu, and Martin Wong

DAC 2023

[C9] *DiffPattern: Layout Pattern Generation via Discrete Diffusion*

Zixiao Wang, Yunheng Shen, Wenqian Zhao, Yang Bai, Guojin Chen, Farzan Farnia, and Bei Yu

DAC 2023

[C8] *GPU-accelerated Matrix Cover Algorithm for Multiple Patterning Layout Decomposition*

Guojin Chen, Haoyu Yang, and Bei Yu

SPIE 2023

[C7] *OpenILT: An Open-source Platform for Inverse Lithography Technology Research*

Su Zheng, Yuzhe Ma, Binwu Zhu, Guojin Chen, Wenqian Zhao, Shuo Yin, Ziyang Yu, and Bei Yu

GitHub 2023

[C6] *Efficient Point Cloud Analysis Using Hilbert Curve.*

Wanli Chen, Xinge Zhu, Guojin Chen, and Bei Yu

ECCV 2022

[C5] *AdaOPC: A Self-Adaptive Mask Optimization Framework For Real Design Patterns*

Wenqian Zhao, Xufeng Yao, Ziyang Yu, Guojin Chen, Yuzhe Ma, Bei Yu, and Martin Wong

ICCAD 2022

[C4] *DevelSet: Deep Neural Level Set for Instant Mask optimization*

Guojin Chen, Ziyang Yu, Hongduo Liu, Yuzhe Ma, and Bei Yu

ICCAD 2021

[C3] *Learning Point Clouds in EDA.* (Invited Paper)

Wei Li, Guojin Chen, Haoyu Yang, Ran Chen, and Bei Yu

ISPD 2021

[C2] *DAMO: Deep Agile Mask Optimization for Full Chip Scale*

Guojin Chen, Wanli Chen, Yuzhe Ma, Haoyu Yang, and Bei Yu

ICCAD 2020

[C1] *A GPU-enabled Level Set Method for Mask Optimization*

Ziyang Yu, Guojin Chen, Yuzhe Ma, and Bei Yu

DATE 2020

Professional Activities

Design Automation Conference (DAC)	2023
AAAI Conference on Artificial Intelligence (AAAI)	2022
IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD)	2022-2023

Reviewing..

Teaching

Python Computing (AIST 1110), TA   F2022
Mobile Computing (CSCI 3310), TA   S2022
Numerical Optimization (AIST 3010), TA   F2021