

List of publications of Dr. Kuan Zhou

- **Articles or conference papers:**

- Tunable Lifshitz transitions and multiband transport in tetralayer graphene
Y Shi, S Che, **K Zhou**, S Ge, Z Pi, T Espiritu, T Taniguchi, K Watanabe,
...
Physical Review Letters **120** (9), 096802
- Interlayer resistance of misoriented MoS₂
K Zhou, D Wickramaratne, S Ge, S Su, A De, RK Lake
Physical Chemistry Chemical Physics **19** (16), 10406-10412
- Exploiting Electron-Hole Asymmetry at a Misoriented MoS₂ Interface in Bipolar Device Design
K Zhou
TECHCON, September 10, 2017
- Electronic Properties Modeling of Two-dimensional Materials
K Zhou
PhD thesis at University of California, Riverside, December 2018
- Edge states of ABA Trilayer Graphene Nanoribbons
K Zhou, Y Barlas, R Lake
APS March Meeting Abstracts 2018, R40.005
- The Interlayer Resistance of a Misoriented Bilayer MoS₂ Interface
K Zhou, D Wickramaratne, S Ge, R Lake
APS March Meeting Abstracts 2016, X16.004
- Transport Properties Across Misoriented Bilayer MoS₂ using Ab-initio Calculations
K Zhou, S Ge, D Wickramaratne, R Lake
APS March Meeting Abstracts 2015, H1.225

- **Patents:**

- System for executing an application on heterogeneous reconfigurable processors
Patent number: 11983141
Type: Grant
Filed: September 9, 2022
Date of Patent: May 14, 2024
Assignee: SambaNova Systems, Inc.
Inventors: Greg Dykema, Maran Wilson, Guoyao Feng, **Kuan Zhou**, Tianyu Sun, Taylor Lee, Kin Hing Leung, Arnav Goel, Conrad Turlik, Milad Sharif
- Overlapping Gradient Synchronization In Machine Learning
Publication number: 20230259823
Type: Application

Filed: February 13, 2023

Publication date: August 17, 2023

Applicant: SambaNova Systems, Inc.

Inventors: Greg Dykema, Fansheng Cheng, **Kuan Zhou**, Arnav Goel,
Subhra Mazumdar, Milad Sharif, Po-Yu Wu, Bowen Yang, Qi Zheng

- System of Heterogeneous Reconfigurable Processors for the Data-Parallel Execution of Applications

Publication number: 20230237013

Type: Application

Filed: September 9, 2022

Publication date: July 27, 2023

Applicant: SambaNova Systems, Inc.

Inventors: Greg Dykema, Maran Wilson, Guoyao Feng, **Kuan Zhou**,
Tianyu Sun, Taylor Lee, Kin Hing Leung, Arnav Goel, Conrad Turlik,
Milad Sharif