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PROFESSIONAL PREPARATION

Indian Institute of Science, Bangalore	Physics	MS, 2014
Indian Institute of Science, Bangalore	Condensed Matter Physics	Ph.D., 2019

APPOINTMENTS

2025-present University of Texas at Austin, Assistant Professor
2019-2024 University of California at Berkeley, Postdoctoral researcher

AWARDS & HONORS

- MRS Postdoctoral Award, 2024
- Kumari L A Meera Memorial Award for best PhD thesis, 2021

SELECTED PUBLICATIONS

1. Hongyuan Li*, Ziyu Xiang*, Tianle Wang*, Mit H Naik*, Woonchang Kim, Jiahui Nie, Shiyu Li, Zhehao Ge, Zehao He, Yunbo Ou, Rounak Banerjee, Takashi Taniguchi, Kenji Watanabe, Sefaattin Tongay, Alex Zettl, Steven G Louie, Michael P Zaletel, Michael F Crommie and Feng Wang, *Imaging tunable Luttinger liquid systems in van der Waals heterostructures*. Nature 631, 765–770 (2024)
2. Hongyuan Li*, Ziyu Xiang*, Mit H. Naik*, Woonchang Kim, Zhenglu Li, Renee Sailus, Rounak Banerjee, Takashi Taniguchi, Kenji Watanabe, Sefaattin Tongay, Alex Zettl, Felipe H. da Jornada, Steven G. Louie, Michael F. Crommie and Feng Wang, *Imaging Moiré Excited States with Photocurrent Tunneling Microscopy*, Nature Materials, 23 (5), 633-638 (2024)
3. Sandhya Susarla*, Mit H Naik*, Daria D Blach, Jonas Zipfel, Takashi Taniguchi, Kenji Watanabe, Libai Huang, Ramamoorthy Ramesh, Felipe H da Jornada, Steven G Louie, Peter Ercius, Archana Raja, *Hyperspectral imaging of excitons within a moiré unit-cell with a sub-nanometer electron probe*, Science, 378, 6625, 1235-1239 (2022)
4. Mit H. Naik*, Emma C. Regan*, Zuocheng Zhang*, Yang-hao Chan, Zhenglu Li, Danqing Wang, Yoseob Yoon, Chin Shen Ong, Wenyu Zhao, Sihan Zhao, M. Iqbal Bakti Utama, Beini Gao, Xin Wei, Mohammed Sayyad, Kentaro Yumigeta, Kenji Watanabe, Takashi Taniguchi, Sefaattin Tongay, Felipe H. da Jornada, Feng Wang and Steven G. Louie, *Nature of novel moiré exciton states in WSe₂/WS₂ heterobilayers*, Nature 609, pages 52–57 (2022)
5. Hongyuan Li*, Shaowei Li*, Mit H. Naik*, Jingxu Xie, Xinyu Li, Jiayin Wang, Emma Regan, Danqing Wang, Wenyu Zhao, Sihan Zhao, Salman Kahn, Kentaro Yumigeta, Mark Blei, Takashi Taniguchi, Kenji Watanabe, Sefaattin Tongay, Alex Zettl, Steven G. Louie, Feng Wang and Michael F. Crommie, *Imaging moiré flat bands in three-dimensional reconstructed WSe₂/WS₂ superlattices*, Nature Materials, 20, 945–950 (2021)
6. Chen Hu, Mit H. Naik, Jiawei Ruan, Yang-hao Chan and Steven G. Louie, *Light-induced shift current vortex crystals in moiré heterobilayers*, Proceedings of the National Academy of Sciences, 120 (51), e2314775120 (2023)

7. Chen Hu, Mit H. Naik, Yang-hao Chan and Steven G. Louie, *Excitonic interactions and mechanism for ultrafast interlayer photoexcited response in van der Waals heterostructures*, Phys. Rev. Lett. 131, 236904 (2023)
8. Hongyuan Li, Shaowei Li, Mit H. Naik, Jingxu Xie, Xinyu Li, Emma Regan, Danqing Wang, Wenyu Zhao, Kentaro Yumigeta, Mark Blei, Takashi Taniguchi, Kenji Watanabe, Sefaattin Tongay, Alex Zettl, Steven G. Louie, Michael F. Crommie, and Feng Wang, *Imaging local discharge cascades for correlated electrons in WS₂/WSe₂ moiré superlattices*, Nature Physics **17**, pages 1114–1119 (2021)
9. Saismit Naik, Mit H. Naik, Indrajit Maity and Manish Jain, *TWISTER: Construction and structural relaxation of commensurate moiré superlattices*, Computer Physics Communications, 271, 108184 (2021)
10. Mit H. Naik, Sudipta Kundu, Indrajit Maity, and Manish Jain, *Origin and Evolution of Ultraflatbands in Twisted Bilayer Transition Metal Dichalcogenides: Realization of Triangular Quantum Dots*, Phys. Rev. B 102, 075413 (2020)
11. Mit H. Naik, Indrajit Maity, Prabal K. Maiti, and Manish Jain, *Kolmogorov-Crespi Potential For Multilayer Transition-Metal Dichalcogenides: Capturing Structural Transformations in Moiré Superlattices*, The Journal of Physical Chemistry C 123, 9770 (2019).
12. Mit H. Naik and Manish Jain, *Ultraflatbands and Shear Solitons in Moiré Patterns of Twisted Bilayer Transition Metal Dichalcogenides*, Phys. Rev. Lett. 121, 266401 (2018)
13. Mit H. Naik and Manish Jain, *Substrate screening effects on the quasiparticle band gap and defect charge transition levels in MoS₂*, Phys. Rev. Materials 2, 084002 (2018)
14. Mit H. Naik and Manish Jain, *CoFFEE: Corrections For Formation Energy and Eigenvalues for charged defect simulations*, Computer Physics Communications 226, 114 (2018)
15. Mit H. Naik and Manish Jain, *Origin of layer dependence in band structures of two-dimensional materials*, Phys. Rev. B 95, 165125 (2017)

*: Equal contribution