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Charge and spin transport in two-dimensional materials and their heterostructures

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Propositions

accompanying the dissertation

Charge and spin transport in two-dimensional materials and their heterostructures

Madhushankar Bettadahalli Nandishaiah

1. The commercial success of field-effect transistors made up of two-dimensional Van der Waal materials will strongly rely on our ability to scale them up, alongside reproducing them in large-scale.
2. Never miss the end of a conference, you never know you may win a poster prize!
3. Having data in hand is more relaxing during your PhD than basking in the sun on a beach.
4. Education is a key to unlock one's potential and a portal into the future. However, the struggle is to figure out what interests you the most.
5. An experimental physicist is an artist who plays with the details to make the most out of his performance. The stacking of 2-dimensional materials under a microscope using micromanipulators to compose a designer heterostructure is one of those daunting, yet satisfying performances.
6. Education is an investment with very big returns, and the returns need not always be monetary.
7. "Every day should end with happiness and that happiness comes from you."
- Apoorva Prabhudeva; a motto to uphold, be it in your professional or personal life.