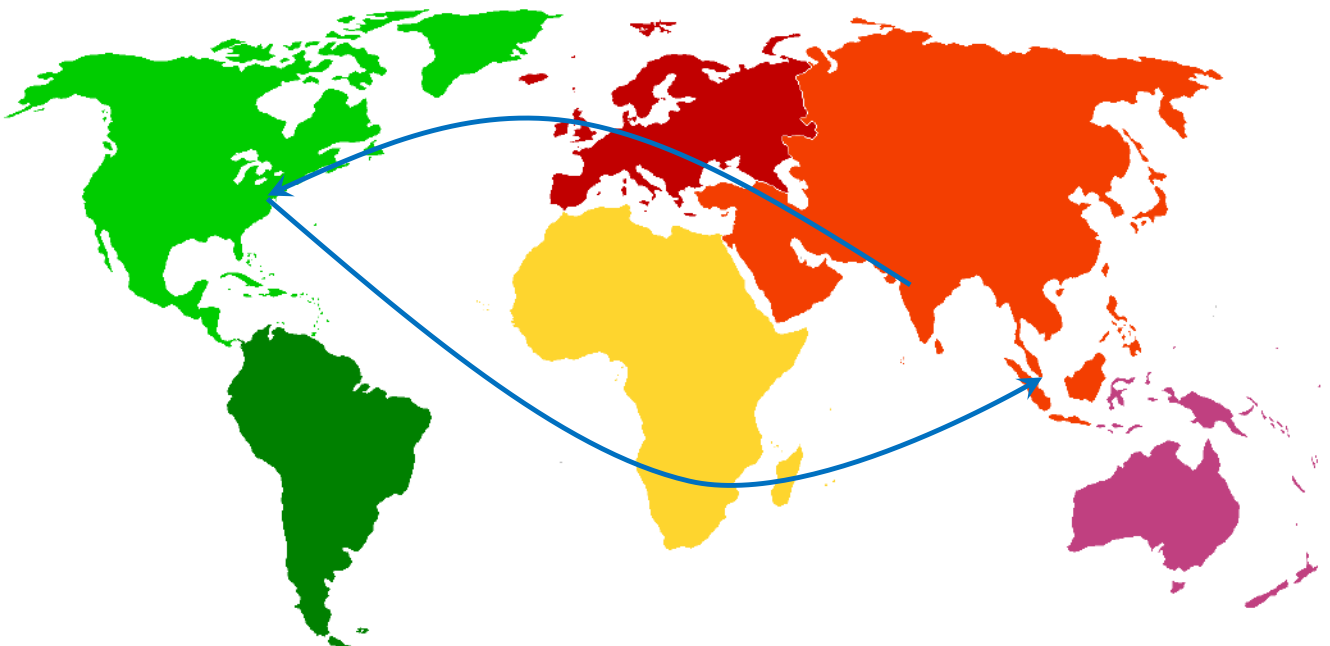

About Me

Prof. Mehul Motani
National University of Singapore
Electrical & Computer Engineering
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Across the World





Syracuse, NY

Cornell University, NY



New Jersey



Cooper Union,
New York City



Current Affiliations

Prof. Mehul Motani
IEEE Fellow

National University of Singapore
Electrical & Computer Engineering

N.1 Institute for Health
Institute for Data Science
Smart Systems Institute

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AI & Machine Learning

- My research work focuses on AI and Machine Learning algorithms for a wide range of applications.
 - Feature engineering for predictive medical diagnosis (with NUH)
 - AI guided precision medicine for customized treatment of chronic diseases (with NUH and AIH)
 - Explainability for machine learning in healthcare (AI.SG, NUH)
 - Big Data for the Internet of Things and 5G networks
 - Low latency neural network decoding algorithms for 5G communication networks
 - Multi-agent learning systems for distributed networks

Information Theory & Coding

- My research work also looks at Information Theory and Coding for communication networks and other engineering systems.
 - Computing the optimal performance of engineering systems
 - Determine the fundamental limits of statistical learning
 - Optimizing Internet of Things networks
 - Next generation wireless communication systems (5G ++)
 - Algorithms for wireless sensor networks with applications to IoT and Industry 4.0
 - Constrained coding for simultaneous energy harvesting and information transfer

AI Activities @ NUS

- Existing Collaborations
 - National University Hospital (NUH)
 - Alexandra Integrated Hospital (AIH)
 - N.1 Institute for Health
 - AI.SG Grand Challenge in Healthcare
 - NUS Smart Systems Institute
- Education @ NUS
 - Teaching 4th year course on Data science for IoT
 - Designed Machine Learning for 1st year students
 - Designed Data Engineering Minor @ NUS

Thank you!

- I am happy to be teaching you and guiding you through your learning journey.
- Please send me your feedback and any questions you may have.
- The best way to contact me is via email:
mehul.motani@gmail.com
- Thanks for listening!