

Equitech Futures &  
The University of Chicago

ABHILASH MISHRA

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## EDUCATION

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California Institute of Technology, Pasadena, CA, USA 2011-2017  
PhD in Astrophysics

University of Oxford, Oxford, UK, 2008-2010  
MPhys in Physics at Merton College

Fergusson College, University of Pune, India, 2005-2008  
B.Sc. in Physics

## PROFESSIONAL AFFILIATIONS

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Founder and Chief Science Officer  
Equitech Futures, Jan 2020-

Founding Director  
Xu Initiative on Science, Technology and Public Policy  
Harris School of Public Policy, University of Chicago, Jan 2018-

Visiting Researcher  
Institute for Complex Systems, University of Rome (La Sapienza). July-Sept 2010

## HONORS AND AWARDS

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- Emergent Ventures Grant, Mercatus Center, 2022.
- Distinguished Alumni Honor Roll, Clinton Global Initiative University (CGI U), 2017.
- Moffet Fellowship, California Institute of Technology, 2011.
- Rhodes Scholarship (India & Merton), 2008.
- Summer Undergraduate Research Fellowship (SURF), California Institute of Technology, 2009.
- Goldman Sachs Global Leader Award, International Institute of Education (IIE), 2007.
- National Initiative for Undergraduate Science (NIUS) Fellow, Tata Institute of Fundamental Research (TIFR), 2006.
- *Kishore Vaigyanik Protsahan Yojna* (KVPY) Scholarship, Department of Science & Technology, Govt. of India, 2005.

- **A. Mishra**, Andrew Kimani, Essosolim Apollinaire Abi, “Measuring General Intelligence,” *Working Paper: Draft Available Upon Request* (2024)
- **A. Mishra**, Sharon Nafuna, Essosolim Apollinaire Abi, “Do Robots Cause Deaths of Despair?” *Working Paper: Draft Available Upon Request* (2024)
- **A. Mishra**, Essosolim Apollinaire Abi, Kexin Xu, “Beyond Access: Understanding Behavioral Barriers to Mobile Money Usage,” *Working Paper: Draft Available Upon Request* (2024)
- **A. Mishra** “AI Alignment and Social Choice: Fundamental Limitations and Policy Implications,” arXiv:2310.16048 (2023)
- **A. Mishra** and B. Nair, “Quantum Futures: International Development and the Quantum Computing Transition,” *USAID Research Technical Assistance Center, Washington, D.C.* (2023)
- Mitchell Odhiambo, Raunaq Jain, Nikita Kaushal, Yash Gorana, and **A. Mishra**, “Measuring Carbon: A Tool for Analysing Gridded, Continuous, Carbon Measurements at High Temporal and Spatial Resolution,” *EGU General Assembly 2023, Vienna, Austria* (2023)
- Raunaq Jain, Mitchell Odhiambo, Nikita Kaushal, Yash Gorana, and **A. Mishra**, “Measuring the Carbon Footprint from Wildfires and Crop Burning Using Satellite Data,” *EGU General Assembly 2023, Vienna, Austria* (2023)
- **A. Mishra** and Y. Gorana, “Who Decides if AI is Fair? The Labels Problem in Algorithmic Auditing”, *NeurIPS 2021 Data-Centric AI Workshop* (2021)
- A.F. Mertz and **A. Mishra**, “Science’s new frontier”, *Science*, Vol. 371, Issue 6533, pp. 967 (2021)
- **A. Mishra**, “Building a Global Marketplace for Agricultural Decarbonization: Framework”, *KXI Working Paper* (2020)
- **A. Mishra**, “Learning by Doing: Field Experiments in Improving Scientific Capital in India”, *KXI Working Paper* (2019)
- C. Hirata and **A. Mishra**, “Detecting Primordial Gravitational Waves With Circular Polarization of the Redshifted 21cm Line- Formalism”, *Phys. Rev. D* 97, 103521 (2018)
- **A. Mishra** and C. Hirata, “Detecting Primordial Gravitational Waves With Circular Polarization of the Redshifted 21cm Line: Forecasts”, *Phys. Rev. D* 97, 103522 (2018)
- T. Venumadhav, A. Oklopcic, V. Gluscevic, **A. Mishra**, and C. Hirata, “A new probe of magnetic fields in the pre-reionization epoch: I. Formalism”, *Phys. Rev. D* 95, 083010 (2017)
- V. Gluscevic, T. Venumadhav, A. Oklopcic, C. Hirata and **A. Mishra** “A new probe of magnetic fields in the pre-reionization epoch: I. Forecasts”, *Phys. Rev. D* 95, 083011 (2017)
- R. de Putter, E. Linder, and **A. Mishra**, “Inflationary Freedom and Cosmological Neutrino Constraints”, *Phys. Rev. D* 89, 103502 (2014)

## SELECTED TALKS AND PRESENTATIONS

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- “How Can the Global Development Community Prepare for Quantum Computing?” Global Digital Development Forum, April 2023
- “How Can We Ensure That Quantum Technologies Benefit USAID’s Partner Countries?” USAID Tech Tuesday Seminar, May 2023
- “An Equitable Technological Transformation in the Asia Pacific,” Concordia Annual Summit, November 2021
- “Building a Dialogue on Evidence and Values: Overcoming Science Denialism,” Aspen Global Congress on Scientific Thinking and Action, March 2021
- “Building Public Trust in Science and Technology- The Case for an American Science Corps,” California State Assembly, February 2021
- “Predicting healthcare surge capacity and economic impacts of COVID-19 in the United States,” Bay Area Council, April 2020

## AFFILIATIONS & PROFESSIONAL SERVICE

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- Advisory Board, Rhodes Technology and Society Forum, Oxford (2022-).
- US Rhodes Scholarship Selection Committee, District 16 (2016-2017), District 11 (2018-2021)
- Board Member: NawiriTech, Measuring Carbon.
- Member, Board of Directors, Caltech Graduate Student Council (2014-2015)