

# Omer Reingold



JOHNS HOPKINS  
WHITING SCHOOL  
of ENGINEERING

Computer Science

## "Good Research Karma: The Unexpected Benefits of Striving for Algorithmic Fairness"



Thursday, September 30, 2021



10:45 AM - 12:00 PM



<https://wse.zoom.us/j/95472507416>

Meeting ID: 954 7250 7416

### ABSTRACT

As algorithms increasingly inform and influence decisions made about individuals, it becomes increasingly important to address concerns that these algorithms might be discriminatory. Multicalibration guarantees accurate (calibrated) predictions for every subpopulation that can be identified within a rich class of computations. It strives to protect against data analysis that inadvertently or maliciously introduces biases that are not borne out in the training data. Multicalibration may also help address other forms of oppression, that may require affirmative action or social engineering. In this talk, we will discuss how this notion, recently introduced within the research area of Algorithmic Fairness, has found a surprising set of practical and theoretical implications. We will discuss multicalibration and touch upon some of its unexpected consequences.

### BIOGRAPHY

Omer Reingold is the Rajeev Motwani professor of computer science at Stanford University and the director of the Simons Collaboration on the Theory of Algorithmic Fairness. Past positions include the Weizmann Institute of Science, Microsoft Research, the Institute for Advanced Study in Princeton, NJ, AT&T Labs and Samsung Research America. His research is in the foundations of computer science and most notably in computational complexity, cryptography and the societal impact of computation. He is an ACM Fellow and a Simons Investigator. Among his distinctions are the 2005 Grace Murray Hopper Award and the 2009 Gödel Prize.



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