



**CITATION FOR PROFESSOR
ABHIK ROYCHOUDHURY
UNIVERSITY RESEARCH RECOGNITION AWARD**

Citation Reader: Professor Liu Bin

It is my privilege to announce the recipient of the 2026 University Research Recognition Award—Professor Abhik Roychoudhury.

A world leader in software testing and automated program repair, Abhik has spent two decades advancing a powerful idea: that automated repair must reason about a programmer's intended behaviour, not rely on blind search. His landmark 2013 paper SemFix pioneered the use of semantic and symbolic analysis for automated program repair, earning the ICSE Most Influential Paper Award in 2023.

His broader contributions to symbolic execution were also recognised with the IEEE New Directions Award in 2022. In the age of large language models, the same insight gave rise to AutoCodeRover, an autonomous coding agent that infers developer intent from the structure of software itself.

Abhik's impact reaches well beyond academia. AutoCodeRover was acquired by Sonar in 2025, and is now integrated into SonarQube, part of the Sonar platform used by over seven million developers worldwide—including 75% of the Fortune 100—creating new R&D jobs in Singapore. He was inducted as an Association for Computing Machinery Fellow in 2024, and today serves as Editor-in-Chief of ACM Transactions on Software Engineering and Methodology.

Please join me in congratulating Professor Abhik Roychoudhury on receiving the University Research Recognition Award.