

Using AI for Code with Trust



Singapore Manifesto on Agentic AI for Code

January 19, 2026

2026

Introduction

Generative AI is rapidly changing the landscape of software engineering. However, a key challenge remains - how can we incorporate AI as a reliable part of next-generation development? At the Singapore Manifesto, invitees from all over the world, working in academia, industry, and government, come together to discuss the opportunities and risks of this technological change. Join us to map the future of trustworthy software development with AI.

Meet the Organizers



Abhik Roychoudhury

Provost's Chair Professor, NUS
Senior Advisor, SonarSource

Abhik Roychoudhury is Provost's Chair Professor of Computer Science at the National University of Singapore (NUS), where he leads a research team on Trustworthy and Secure Software (TSS). He is also a Senior Advisor at SonarSource, subsequent to the acquisition of his spinoff AutoCodeRover on AI-based coding, by Sonar.

Abhik was the inaugural recipient of the NUS Outstanding Graduate Mentor Award 2024. Doctoral students graduated from his research team have taken up faculty positions in many academic institutions including Max Planck Institute, NUS, University College London, University of Melbourne, Peking University and Concordia University. He has served the software engineering research community in various capacities including as chair of the major conferences of the field, ICSE and FSE. Currently, he serves as chair of the FSE steering committee. He is the current Editor-in-Chief of the ACM Transactions on Software Engineering and Methodology (TOSEM), and is a member of the editorial board of Communications of the ACM. Abhik is a Fellow of the ACM.



Baishakhi Ray

Associate Professor, Columbia University

Baishakhi Ray is an Associate Professor in the Department of Computer Science at Columbia University in New York, USA. Her research lies at the intersection of Artificial Intelligence and Software Engineering, with a particular focus on developing intelligent, trustworthy tools for improving software reliability, security, and developer productivity.

Dr. Ray's work has been recognized with several honors, including the IEEE TCSE Rising Star Award, NSF CAREER Award, IBM, and VMWare Faculty Awards. Her publications have received multiple Distinguished Paper Awards at top venues, the ICSME Test of Time Award, and have been featured in CACM Research Highlights, reflecting the broad impact of her research on both the academic and industrial communities. She also serves as an Amazon Scholar, collaborating with the Amazon Q Agentic AI team to build intelligent developer agents grounded in real-world software engineering practice.

Our Attendees

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David Lo

Singapore Management University

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Satish Chandra

Google

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Cho Chia Yuan

MINDEF

Blurb for speaker #3. This would ideally be brief and summarize affiliations/achievements.



Speaker #4

Title #4

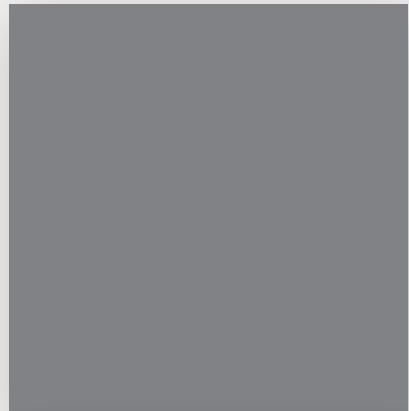
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Speaker #5

Title #5

Blurb for speaker #5. This would ideally be brief and summarize affiliations/achievements.



Speaker #6

Title #6

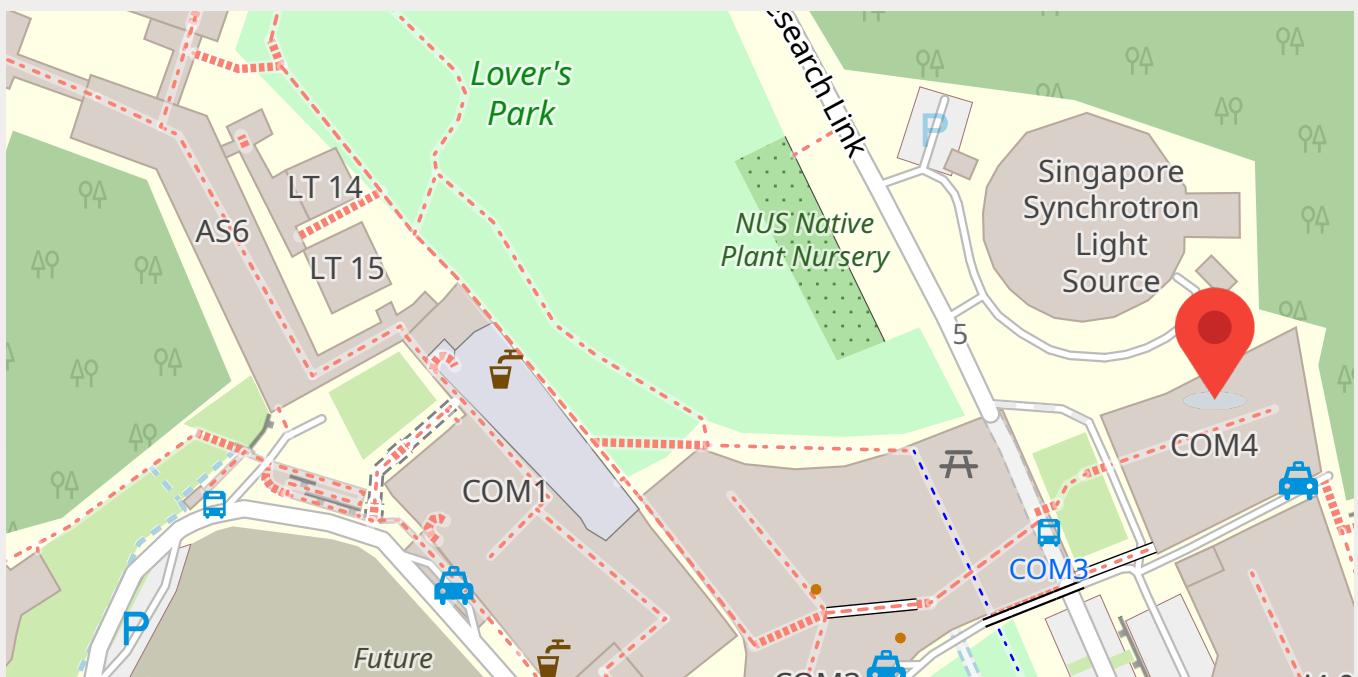
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Agenda

Time	Title
9:00 AM	Registration
9:30 AM	Welcome and Presentation by Organizers
10:00 AM	Industry Sharing 1
11:00 AM	Industry Sharing 2
12:00 PM	<i>Lunch Break</i>
1:00 PM	Industry Roundble in Groups
2:00 PM	Summary <i>Results of Roundtable</i>
3:00 PM	<i>Tea Break</i>
3:30 PM	Manifesto Discussions <i>Abhik Roychoudury and Baishakhi Ray with all</i>
4:30 PM	Summary <i>Plan for follow-up meetings</i>
5:30 PM	Closing

Venue

The event is going to be held on **January 19, 2026**, at the **Information Systems and Analytics Teaching Lab 2 (COM4-02-01)**



For more information, you can find us at
<https://spartan-nus.github.io/>



For further inquiries or assistance, kindly contact **Dr. Sungmin KANG** at the following email address: sungmin@nus.edu.sg