

Keynote

Modern Code Review for Improving Software Quality

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Abstract

Modern code review is a lightweight and asynchronous process of auditing code changes that is done by a reviewer other than the author of the changes. Code review is widely used in both open source and industrial projects because of its diverse benefits, which include defect identification, code improvement, and knowledge transfer. This talk describes the recent practice in code review, especially focusing on empirical studies and automated techniques to support code review.

Biography

Dr. DongGyun Han is a research scientist at Singapore Management University (SMU). He is working under the supervision of Prof. Debin Gao and Prof. David Lo. Before joining SMU, he was a software development engineer at Amazon Web Services. He completed his PhD at University College London (UCL). He was supervised by Prof. Jens Krinke, Prof. Mark Harman, and Prof. Federica Sarro. He received his MPhil. at the Hong Kong University of Science and Technology (HKUST) under the supervision of Prof. Sunghun Kim. His main research interests are code review, empirical study, and binary analysis.