Envisioning the Future of Software Engineering
—ソフトウェアエンジニアリングの将来展望—

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概要：I will share some of our current results in terms of future challenges in engineering software-reliant systems, and key components of a research roadmap that will drive advances in foundational software engineering principles across system types such as intelligent, autonomous, safety-critical, and data-intensive systems. With our collaborators, we have also been working to articulate grand challenge problems that can be used to focus research efforts and provide confidence that progress is being made to meet important future needs. Our aim is for this work to aid the development of an ecosystem for software engineering that engages academic, government, and commercial communities to work together on solving future problems and developing critical abilities.

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