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Trusted Software and System

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演讲时间
2024年12月9号
18：30

演讲地点
腾讯会议
（701-230-641）

主办单位
武汉理工大学

【题目】：Can We Develop Trustworthy? Robustness and Security of AI Code Generators

【摘要】：Nowadays, AI code generators have emerged as powerful tools transforming the software development landscape. These tools promise accelerated productivity and efficiency. However, with this innovation comes a critical question: can we trust the code generated by AI systems? This keynote will deeply explore the critical dimensions of robustness and security aspects, which are key attributes for the trustworthiness of AI code generators. The ability of AI code generators to withstand adversarial inputs is crucial in safeguarding against intentional or unintentional manipulation. We will delve into techniques and methodologies to improve the robustness of these AI-powered solutions, ensuring they remain resilient in dynamic scenarios.

【主讲人】：Domenico Cotroneo教授，目前是电气工程和信息技术系的全职教授。 他的研究兴趣包括软件故障注入、可靠性评估和基于现场的测量技术。