

# Metamorphic Testing: Challenges Ahead

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## ABSTRACT

Metamorphic testing is a popular testing technique that has shown to be effective at detecting faults in numerous domains such as web services and autonomous vehicles. Despite the many advances made in the last two decades, however, metamorphic testing is still a fertile soil for new contributions. This talk will provide an overview of the current state of the discipline and some of the key challenges to be addressed from three different perspectives: the technique, its applications, and the research community. The speech and the subsequent discussion aims to provide the audience with a common view of the field and the work to be done, paving the way for new promising contributions.

## CCS CONCEPTS

• **Software and its engineering** → **Software testing and debugging**;

## KEYWORDS

Metamorphic testing, keynote

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