**MICS Technical Report**

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Title is here!!

Name 1, Name 2, Name 3

# **INTRODUCTION**

## Vision

The vast network of civil Infrastructures that serves as the lifeline for commerce is crumbling, and our present inability to autonomously detect damage in its early stages implies that corrective measures on key elements are often not taken in a timely fashion

## Technical Challenges and Our Approaches

SHM provides a quantitative and objective assessment, which enables engineers to adopt condition-based replacement policies. SHM is capable of detecting, locating, and quantifying various types of damage such as cracks, holes, corrosion, collusions, delaminations, and loose joints, and can be applied to various kinds of infrastructures such as buildings, power plants, railroads, windmills, bridges, dams, piping systems, aircrafts, missiles, and. spacecraft. Objectives of the Proposed Research