

Automated Underground Sewer Pipeline Inspection and Computation System (AUSPICS)

ABSTRACT:

This overall goal of this research is to provide computer software to analyze CCTV images of sewer inspections that will speed the classification of sewer defects by fully or partially automating the process. It is anticipated that this project will: (1) Dramatically increase the productivity of the assessment process by eliminating redundant information; (2) Automatically identify and record in a database common sewer pipeline features; and (3) Focus the attention of the operator on unusual pipeline features for human classification.

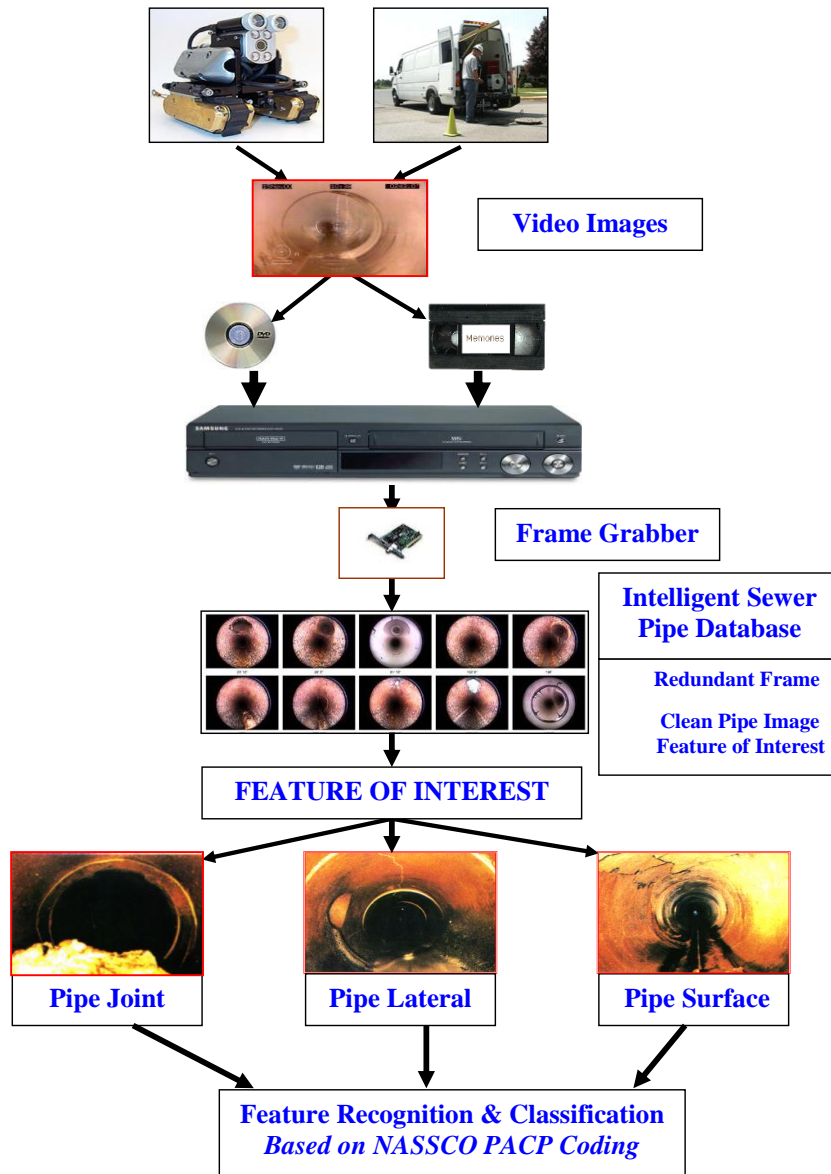


Figure 1: Framework for Automated CCTV Sewer Pipeline Inspection

CONTACT:

Dr. Sunil Sinha; Email: ssinha@vt.edu; Phone: 540-231-9420