

---

# Probabilistic assessment of scoured riverine masonry arch bridges

---

Giuseppe Degan Di Dieco

A Dissertation Submitted to the Faculty of the

GRADUATE INTERDISCIPLINARY  
PROGRAM

IN APPLIED MATHEMATICS

In Partial Fulfillment of the Requirements  
For the Degree of

DOCTOR OF PHILOSOPHY

In the Graduate College

THE UNIVERSITY OF ARIZONA



# Contents



# Chapter 1 - Summary

## **0.1. The problem to be studied**

The problem to be studied is the vulnerability of riverine masonry arch bridges to flood actions.

## **0.2. The context I am working**