# **DETAIL** Practice

# Pedestrian Bridges

Ramps Walkways Structures

> ۰۰ مع مع مع مع مع

Andreas Keil

Edition Detail

## Contents

6 Introduction

Functional requirements

- 9 Bridge width
- 11 Clearance gauge
- 12 Route layout and access
- 14 Railings
- 15 Surfaces

### Statics and dynamics

- 17 Statics
- 19 Dynamics

#### Materials

- 27 Wood
- 28 Stone
- 29 Concrete
- 29 Steel
- 31 Aluminium
- 31 Glass
- 31 CFR/GFR

#### Design and construction

- 33 Design
- 34 Definitions of terms
- 35 Arch bridges
- 38 Beam and slab bridges
- 43 Truss bridges
- 47 Suspension bridges
- 53 Cable-stayed bridges
- 56 Stress ribbon bridges
- 60 Curved bridges

#### Finishing

- 65 Surfaces
- 68 Railings
- 70 Furniture
- 70 Expansion joints
- 71 Drainage
- 72 Bearings
- 72 Lighting

#### Economic aspects

- 77 Construction principles
- 78 Costs
- 79 Life cycle considerations
- 80 Cost calculations

#### Special pedestrian bridges

- 83 Movable bridges
- 87 Closed bridges
- 88 Platforms

# Examples of projects

90 Completed pedestrian bridges

#### Appendices

- 110 Literature, standards
- 111 Picture credits
- 112 Index