

Symposium on "durability of structures": Lisbon, Portugal, September 4-5, 1989

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1. Symposium on «Durability of Structures» Lisbon, Portugal, September 4 – 5, 1989

Organization

The IABSE Symposium 1989 is organized by the National Laboratory for Civil Engineering, Lisbon (LNEC) and the Portuguese Group of IABSE (GPEE).

It is co-sponsored by the Comité Euro-International du Béton (CEB), the European Convention for Constructional Steelwork (ECCS), the Fédération Internationale de la Précontrainte (FIP) and the International Association for Shell and Spatial Structures (IASS).

Influence of Material Properties on the Durability of Structures

- Keynote Lectures

Prof. Dr. H.K. Hilsdorf, Department Construction Materials, University of Karlsruhe, Fed. Rep. of Germany

Dr. Steen Rostam, Consulting Engineer, Cowiconsult, Denmark

- Session «Corrosion of Steel»

- Session «Other Types of Deteriorations»

- Workshop «Life Span Considerations»

Technical Programme

Durability is the ability of a structure to maintain its level of reliability and serviceability during its lifetime.

Durability aspects in planning, design and construction of new structures as well as during maintenance, repair, rehabilitation and alterations of existing structures are the objects of the Symposium. These aspects cover all types of construction materials.

The Symposium programme will comprise for sessions of identical format: plenary sessions, presentation sessions, workshop, poster sessions, a commercial exhibition as well as visits of the National Laboratory of Civil Engineering.

The four half-day sessions will develop as follows:

Durability Aspects in Design, Detailing and Construction

- Keynote Lectures

Daniel Poineau, Great Bridges Division, SETRA, France

William F. Geyer, Partner, Steinman Consulting Engineers, USA

- Session «Design for Durability» I

- Session «Design for Durability» II

- Workshop «Durability of Suspended Structures»

Durability Aspects in Maintenance, Repairs, Rehabilitation and Alterations

- Keynote Lectures

Katsutoshi Isoura, Operation Division, Central Japan Railway Company, Japan

Prof. Harold Roper, School of Civil and Mining Engineering, University of Sydney, Australia

- Session «Assessment of Structures»

- Session «Maintenance of Structures»

- Workshop «Joints, Bearings and Drainage»

The **Symposium Report**, containing the keynote lectures, the contributions accepted for the sessions, workshops and poster sessions, will be handed over to the participants at the beginning of the Symposium.

General Durability Aspects from Preliminary Design to Demolition

- Keynote Lectures

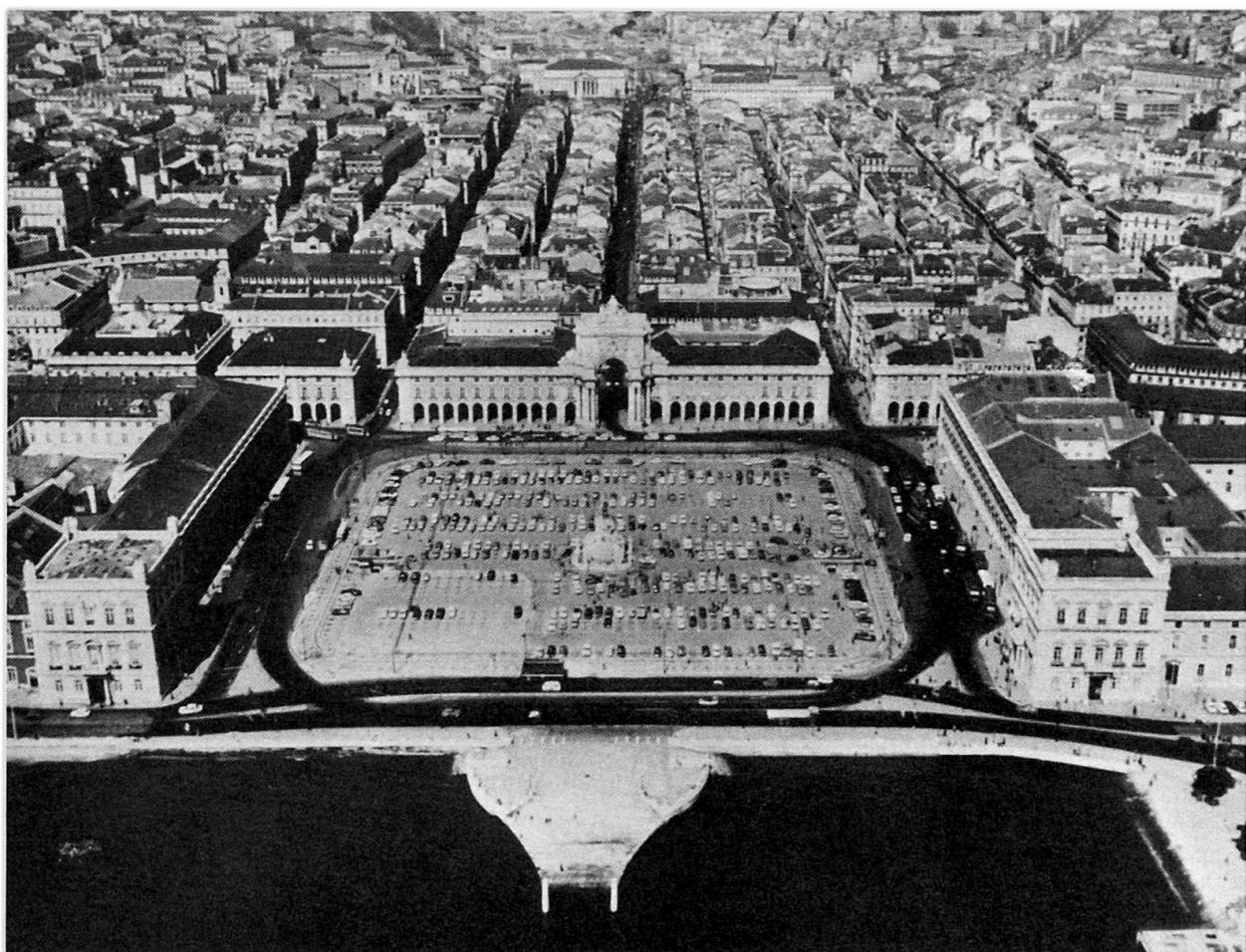
Stanley Gordon, Chief Bridge Division, Federal Highway Administration, USA

Pierre Lemarié, Chief, Bridge Department, SETRA, France

- Session «General Durability Aspects»

- Session «Case Studies»

- Workshop «In-situ Inspection»



Lisbon, the old commercial square

Post-Symposium Tours

Oporto tour, Sept 9:

Participants will be taken on a visit to the construction site of the new railway bridge over the Douro River, in Oporto. It is a bridge in prestressed concrete with a central span of 250 m.

Algarve tour, Sept 9 and 10:

The tour will give participants an opportunity to visit the Algarve, including a technical visit to the construction site of a new cable stayed bridge, the Arade Bridge, in Portimão, with a central span of 256 m.

Final Invitation

The Final Invitation has been mailed in February 1989 to all preregistrants and further interested persons. It contains all necessary information for making your Symposium participation attractive and worthwhile. A reduced fee is granted for registration paid until June 30, 1989.

Additional copies of the Final Invitation and further information can be obtained from:

IABSE Secretariat
ETH-Hönggerberg
CH-8093 Zürich, Switzerland
Tel: (Int + 41 1) 377 26 47
Telex: 822186 IABS CH
Telefax: (Int + 41 1) 371 55 48
with mention: «IABSE-Lisbon 1989»

Social Programme and Programme for the Accompanying Persons

As it is usual with our friends and colleagues from the Portuguese Group of IABSE, a social programme has been carefully prepared for participants and accompanying persons, who will have the opportunity to visit some of the most interesting places in Portugal; and also enjoy the traditional hospitality of the Portuguese people.

1989 IABSE Symposium
Organizing Committee
A/C Laboratório Nacional de Engenharia Civil
Avenida do Brasil, 101
P-1799 Lisboa Codex, Portugal
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