

BOOK OF ABSTRACTS
NOVEMBER 30TH – DECEMBER 1ST 2023
GDAŃSK, POLAND



XXIX LSCE 2023
LIGHTWEIGHT STRUCTURES
IN CIVIL ENGINEERING
CONTEMPORARY PROBLEMS
INTERNATIONAL COLLOQUIUM OF IASS POLISH CHAPTER



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Book of Abstracts

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November 30th – December 1st, 2023, Gdansk, Poland

Cover design: Milena Drozdowska

Technical editing and typesetting: Authors

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G. Narutowicza Street 11/12
80-233 Gdańsk, Poland

ISBN 978-83-60261-18-7

The publisher is not responsible for any editorial errors because the publication is based on ready-to-print materials provided by authors.

Edition 80 copies

Printing and bookbinding:
Volumina.pl sp. z o. o.
ul. Księcia Witolda 7-9,
71-063 Szczecin
Tel. 91 812 09 08

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Preface

The Lightweight Structures in Civil Engineering (LSCE) conferences, have been held for almost thirty years. The Conference was initiated in 1995 by Prof. Jan B. Obrębski (1943-2020). The Conference events are held under the auspices of the Polish Chapter of the International Association for Shell and Spatial Structures (IASS). Up till 2000, the Conferences were located in Warsaw, whilst further editions were almost annual and held in different Universities in Poland. The current, 29th edition of 2023 is headed by the Department of Structural Mechanics, Faculty of Civil and Environmental Engineering of the Gdańsk University of Technology.

While the first conference editions focused on traditional lightweight structures in construction, later the subject of lightweight structures has been expanded to include mechanical issues, and recently to include biomechanical systems.

The current edition covers over 40 papers which address various aspects of the analysis of lightweight structures. This entirety considers lightweight structure theory, development, laboratory test examples, and numerical analyses.

The conference is bound to trigger an important educational impact. It provides a forum for young scientists preparing their doctoral dissertations, to present their achievements to the international audience. We hope the Conference is to popularize lightweight structures in engineering and to provide a floor for presenting various experiences and achievements.

Paweł Kłosowski
Agnieszka Tomaszewska
Marcin Zmuda Trzebiatowski

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