

Preface

The International Elevator and Escalator Symposium (IEES) is organized by Liftinstituut Solutions B.V. and Elevator World Inc., fully independent, well-known companies that have many years of experience in the lift market.

The third annual IEES event was held in Barcelona, Spain, on December 12-13, 2022. Professionals from the elevator and escalator industry, architects, developers and owners were invited to attend the program, which explored the theme of The Future of Vertical Transportation in 2030. Presentations were delivered by 16 international experts over the course of the two-day event, which ensured a platform for gaining knowledge and meeting with professionals. This book contains the full papers delivered during the symposium in the order in which they were presented. Additionally, IEES offered technology companies the opportunity to showcase their new projects and product details in an expo setting.

The IEES is an annual event held in a different country each year, always presented in the English language. The fourth annual IEES event is planned for December 5-6, 2023, in Edinburgh, Scotland.

Organizing companies Elevator World Inc. and Liftinstituut Solutions B.V. are longtime industry advocates. Elevator World has been the voice for the international building transportation industry since 1953. Readers and advertisers are dedicated to Elevator World's network of magazines and websites because they are considered the most credible sources of industry news and information, covering all corners of the "elevator world." The most well-respected professionals in the industry help write, review and influence Elevator World publications, providing readers with news and market information they can trust.

The independent and highly skilled consultants at Liftinstituut Solutions B.V. work hard every day to make sure millions of people around the world can use vertical transportation safely, comfortably, and without any problems. Motivated by safety and a passion for technology, Liftinstituut helps building managers and owners, as well as producers worldwide, to make the right decisions on construction, maintenance and modernization. Its focus is not only on the installation, but also on its environment.

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