

IPHA 50th Anniversary

SOENDERBORG

24th ANNUAL CONFERENCE DENMARK 2019

IPHA
INTERNATIONAL PRESTRESSED
HOLLOWCORE ASSOCIATION

In cooperation with
Contiga A/S
CONTIGA
HEIDELBERGCEMENT Group

Sponsored by:
PRECAST SOFTWARE
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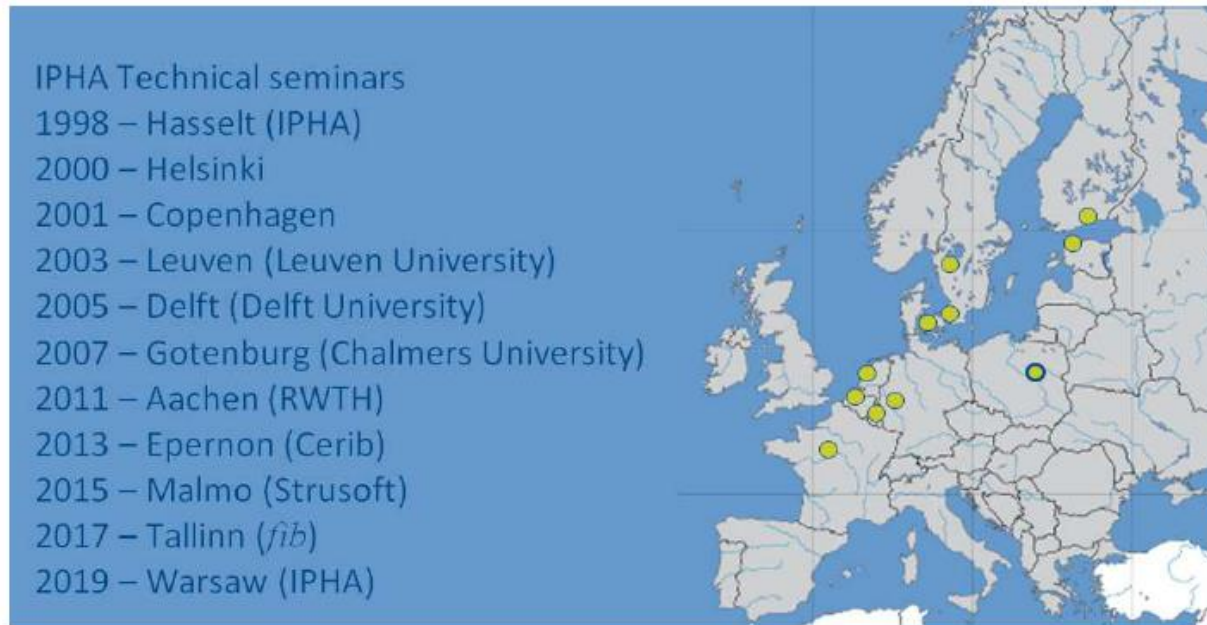
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THE JOURNAL FOR THE CONCRETE INDUSTRY

10 Technical Seminars on design

- The first recorded Technical Seminar took place in Hasselt, Belgium, in 1998.
- The seminar was organized by IPHA's Technical Committee
- Since, 10 Technical Seminars have been organized at various venues across Europe



11th Technical Seminar



Objective of Technical Seminar Autumn 2019

- Practical training course for junior engineers on design of hollowcore floors (young < 2 years experience)
 - (only) 50 young participants
- Location is Warsaw
 - Day 1: 31 October
 - Day 2: 1 November
- For the participation IPHA will ask support from their members
 - 54 Full members companies
 - 25-35 participants
 - 22 Associate member companies
 - 15-25 participants



Practical training course



Our Trainers

Mark MAGILL | Creagh Concrete | Northern Ireland

Mark Magill (1974, Northern Ireland) is the Engineering Manager for Creagh Concrete Products Ltd. Mark studied at University of Abertay Dundee and University of Ulster Jordanstown. He began working for Creagh in 2003 as a draughtsman and progressed into design. Mark has experience designing a wide range of structures using precast concrete. He is a member of the British Precast BIM Working Group.



Abdulkhadir Hassan ROBLE | Contiga | Denmark

Abdulkhadir H. Roble (1975, Denmark) is Design Engineer for Contiga A/S in Denmark. Roble studied Structural Engineering at Technical University of Denmark DTU (2006). Between 2006 and 2008 he worked as a structural engineer for Kristian Rahbek Consulting Engineers. Roble began to work for Contiga A/S in 2008, and since then he has been specializing in the design of precast prestressed structures.

Paolo FAGIOLI | Generale Prefabbricati | Italy

Paolo Fagioli (1955, Italy) is Senior Design Engineer at Generale Prefabbricati S.p.a. Paolo studied at University of Rome, Technical Department. In 1989 he began working for Generale Prefabbricati as Junior Engineer for designing floors in hollowcore slabs. He progressed into the design of precast structures, and now he is Responsible for the Technical Office, and Technical Responsible of Production and Quality Assurance. From 2010 he has been active at University of Perugia, Technical Department, for managing seminars on Design of Prefab Structures.



Gábor-Álmos SÁNDOR | Consolis | Romania

Gábor-Álmos Sándor (Romania, 1986) is project manager "Training & Standardization" in Consolis. Gábor studied Structural Engineering at the Technical University of Cluj - Napoca (MSc, 2011). Then, he specialized further at the same institution (PhD, 2015). Already during his studies he was working as design engineer in Romania. Between 2016 and 2018 he filled the role of design team leader in CES Romania. In January 2019 Gábor started to work for Consolis Group. He is also active as associate professor at Technical University of Cluj-Napoca.



PLUS:

- Pieter van der Zee
- Wim Jansze

THURSDAY 31 OCTOBER 2019

08:15 Venue open

08:30 Plenary session - Introduction

Introduction, history of hollowcores, construction principles, product standards, Eurocodes, introduction projects

10:30 Break

11:00 Group session – Project and drawings

design statements, architectural drawings, span directions to plan, hollowcore slab depth, slab division, narrow slabs, openings

12:15 Lunch

13:30 Group session – Hollowcore slab design and loadings

loading on slab, bending capacity, shear capacity, deflection, wind loads, gravity loads

15:30 Break

16:00 Plenary session – Detailed and global design, wrap-up

Load distribution, bending and shear, stability, wrap-up,

17:00 Closure

19:00 Dinner

FRIDAY 1 NOVEMBER 2019

08:30	Group session – Stability and connections Stability, floor diaphragm design, shear wall design, connections to foundation, robustness ties, anchorage, typical connection details at walls and beams
10:30	Break
11:00	Group session – Precast design works Design of wall, beam, column, stair, landings, design of lifting anchors, cast-in sockets and connections, temporary works, propping design on site
12:15	Lunch
13:30	Plenary session – wrap-up Best practices and cultural differences, future of hollowcore
15:00	Closing session
16:00	Common taxi transport to airport

Let your young engineer join us in Warsaw

