

CICIND

REPORT

CICIND MAGAZINE



90th Conference in Graz
4th - 6th October 2018

CICIND

INTERNATIONAL COMMITTEE FOR INDUSTRIAL CONSTRUCTION



Impressions of Graz/Austria

CICIND REPORT

90th Conference - Graz - October 2018

Editorial Board: Hermann Hoffmeister (Editor), Gary Eastman

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Words from the President October 2018



Michael Angelides
President of CICIND

Dear friends,

I have recently returned from a memorable CICIND conference in Graz, Austria. Many of us felt that this conference may have been the starting point of the new course that we have charted for CICIND. As you know, CICIND has now extended its field of interest to include all special industrial structures

and not just chimneys.

The success of the Graz conference was not just limited to the high number of participants (71 delegates and 29 partners). For the first time since very many years, the newly re-formed committees met on the day before the conference. These included the concrete committee, the new ducts committee, the wind committee and the lifetime management committee. Furthermore, the technical programme on the following day included the presentation of the fully revised GRP Model Code by Prof. Gottfried Nonhoff, which we believe will constitute a valuable aid not just to our members but to the international technical world as well.

Most of our members are struggling in the current stagnant chimney market, largely affected by emissions controls and financial austerity policies. As a result, many have diversified into “chimney related” markets (cooling towers, silos, solar towers, bridge piers, etc). CICIND’s new enlarged scope of interests will continue to provide these members with a first class international forum for technical expertise and business opportunities, while we are optimistic that this expanded scope will also attract new members.

Returning to the Graz conference, its success is also largely attributed to the excellent organization and generous sponsorship and hospitality provided by our member Jürgen Kindermann from Slipform Systems Austria. We were blessed with excellent sunny weather, which allowed us to thoroughly enjoy the sloping vineyards during our Saturday tour. And speaking about vineyards, I need to say that I was very impressed by the local wine, my favourite being the “Gelber Muskateller”.

As usual, after a successful conference, we think back about the factors that contributed to the success: the venue, the participants, the technical presentations and discussions, the committee meetings, the sponsors. We rarely however appreciate the hard work and diligence required before and during the conference by the person really responsible for it all, the Secretary. I therefore thank again our Secretary Hermann Hoffmeister for his efforts and organizational skills which have greatly contributed to the restructuring that CICIND is currently undergoing.

The President and the Secretary decided to present during this conference the President’s Award for distinguished services to CICIND. The recipient was Gary Eastman, former CICIND President and ad hoc replacement Secretary during Klaus Kämmer’s period of inability following his accident. Gary’s continuous support has been invaluable to CICIND and to me personally.

During our Governing Body meeting, we discussed issues related to the status of activities concerning the newly revived and restaffed committees. We are still looking for additional committee members, particularly for the steel committee, and we plan to reactivate the research programme, so we would welcome proposals from our members.

CICIND’s next meeting is going to take place in Madrid. We look forward to another exciting meeting, which is largely organized and sponsored by the Dominion Group. Now that the word is out on our expanded activities, let us all contact our business partners and colleagues in order to inform them that a meeting of the technical world on special industrial structures will take place in May 2019 in Madrid.

It will be a great pleasure to welcome you all in Madrid.

Michael Angelides

Editorial

Committee work is an integral part of the CICIND organisation. In this CICIND magazine we have started with presentations by the Chairmen of the Committees showing the actual work of the committees under chapter “Committee Activity Reports”. The chairmen have the important task to lead and initiate the Committee work. They are the contact person for specific questions in their field of business. They are preparing and lead the Committee Meetings and publish the outcome of the Committee work in Guidelines or CICIND Model Codes. It has been decided to always hold the Committee meetings one day before the Technical Conference, just following the Governing Body meeting.

At the moment we have the following Committees:

COMMITTEE	CHAIRMAN
CONCRETE COMMITTEE	Michael Angelides
STEEL COMMITTEE	Steven Reid
WIND COMMITTEE	Hans-Juergen Niemann
GRP COMMITTEE	Hermann Hoffmeister
DUCT COMMITTEE	Denis Radecki
LIFETIME MANAGEMENT COMMITTEE	Andreas Harling

The GRP Committee presented the new *CICIND MODEL CODE for GRP/FRP Construction* and the new *Commentaries* published in September 2018. During the conference in Graz it has been decided to change the title and widen the field of consideration to Chimneys, Liners and Ducts. CICIND members can download the Model Code and the Commentaries directly from the CICIND web side. I would like to thank the author of these documents, Gottfried Nonhoff, Professor at the University of Applied Sciences Aachen, for his outstanding work. He gave detailed information about the reasons for changes in the Model Code in his technical paper presented in Graz. You may read the new Commentaries of the CICIND Model Code for GRP/FRP in this Report.

I am delighted to state that the Wind Committee had a very intensive and fruitful discussion in Graz about “Structural behaviour under gust wind load”, “Equivalent static wind load”, “Vortex resonance” and “Mechanical damping”. Thanks to Rüdiger Höffer, Professor at the Ruhr University of Bochum, who took the lead of the committee work in Graz from Hans-Jürgen Niemann, who was unable to attend the meeting. Francesca Lupi wrote a detailed technical report about the meeting which is integrated in the chapter of the Committee Activity Reports. The detailed results shall be presented in the next CICIND meeting in

a special lecture in Madrid, 8th -11th May 2018. It is foreseen that the outcome of the intensive discussions will be placed in a revision of the according CICIND Model Code. Results of the CICIND Committee shall be linked as well to the work of the Eurocode Committee which will lead to the harmonization of the codes – one of the targets of CICIND.



Hermann Hoffmeister
Secretary of CICIND

As a member of CICIND, you are invited to participate in the Committee work in your special area of interest. If you are ready to do so please contact the chairman or the Secretary to offer your support. You will find the members of the Committees in the “Committee Activity Report” in this magazine.

I am proud to say that we have 27 new members in the CICIND organization this year with a positive balance compared to cancellations. It is interesting to state that a significant number of new members are coming from Asia and India. For example, in this CICIND Report, you will find the paper about “Interference of straight and tapered cylinders” presented by Rishav Rajora from the IIT, Institute of Technology, Delhi. Rishav and his professor, Srinivas Veeravalli, expert in wind and chimneys, are new members. We have a new member from the Tongji University in Shanghai, Lin Zhao, Professor and deputy director of Bridge Engineering Department, who has already given lectures during the Cooling Tower Conferences. You will find more short CVs about the new members of CICIND in this magazine.

We are looking forward to a really exciting Joint Conference in Edinburgh in October 2019. Reinhard Harte, Daniel Jun (new member and professor and dean at the Hochschule Ruhr West, Germany), Gary Eastman and the secretary are already preparing this Joint Conference in Edinburgh for Cooling Towers working together with the local organization committee and the host, Zenith SAS Ltd. The conference will take place 9th to 12th October 2019. Have a look at the details of the Joint Conference in Edinburgh in this CICIND Report.

Furthermore, we have prepared the next Spring conference in the famous city of Madrid with our sponsor DOMINION. You will find more information in this magazine about this next conference to be held between 8th and 11th May 2019.

You may be curious to read all about the 90th CICIND Conference in Graz in this edition of the CICIND report. We are looking back on a wonderful conference in the picturesque city of Graz with the lovely surrounding winelands. I hope you enjoy the interesting lectures, pictures and information on the following pages.

Hermann Hoffmeister