

CICIND

REPORT

CICIND MAGAZINE



91st Conference in Madrid
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CICIND

INTERNATIONAL COMMITTEE FOR INDUSTRIAL CONSTRUCTION

CICIND REPORT

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Words from the President July 2019



*Michael Angelides
President of CICIND*

Dear friends,

The 91st Conference in Madrid is already behind us and we are looking forward to our 92nd meeting, which will be a combined CICIND – ICCT meeting and will take place in Edinburgh. One year has now passed since we changed our name and widened our scope to include all special industrial structures. As you may have judged from the

variety of topics covered in the Madrid Technical Programme, CICIND has clearly moved beyond chimneys.

Nevertheless, I find that this newly enlarged field of interests is hardly known outside our circle of members. CICIND remains a chimney organization in the mind of every person outside CICIND that I have spoken with. I therefore ask you to assist us in spreading the word. We now cover not only chimneys, but cooling towers, ducts, silos and every other special industrial structure, and we have the experts all in one friendly group. I believe that many industrial production companies would consider joining CICIND, if they knew that they would be joining a forum of world experts on special industrial structures.

Going back to the conference in Madrid, I need to dedicate a few lines to the amazing organization and generous sponsorship provided by the Dominion Group. We are particularly indebted to them and personally to Fernando Alvarez Lamelas and Guillermo Alvarez for making the effort to allow us to savour a side of Madrid usually beyond the reach of tourists.

I had mentioned during my welcome address at the official dinner that our first President Marius Diver had sent a paper, which he unfortunately could not present in person. This paper, along with a very brief introduction to his career and achievements, is included in the present Report. Marius Diver was essentially the founder of CICIND in 1973 and remains an indisputable authority in the field of chimneys and cooling towers.

Our second CICIND President Hermann Bottenbruch passed away last May. Hermann Bottenbruch had also participated in the founding of CICIND and, despite health problems in the recent years, he had always tried to stay close to us.

Looking now ahead to our next meeting in Edinburgh, we have approximately 40 presentations, and we expect a good participation. Please, take the time to register early, in order to allow the organizers to carry out their work more efficiently. Also, please pass the word around to clients and colleagues who are not aware of the benefits associated with the exposure to our group.

As you may have heard during the NGA in Madrid, CICIND has retained its financial health and has even increased its membership, despite the difficulties we are all facing during this period. I am convinced that this is largely attributable to the new enlarged scope of CICIND and I expect further growth. Nevertheless, the research activity has been very limited. Research is one of CICIND's biggest assets, since this is how knowledge is generated and distributed back to the members. I therefore ask you to come forward with proposals for research topics, the results of which would benefit our members and the larger technical community as well.

It will be a great pleasure to welcome you all in Edinburgh for the next meeting of the technical world on special industrial structures and cooling towers.

Michael Angelides

Editorial

We live on a unique planet called earth. There is not a second one in the universe. Astronauts rave about the wonderful view from space on our blue planet. There is no special political party, no special generation, no special nation who has to care about this outstanding planet – we all have to protect the beauty of this planet earth.

Due to the increasing world population and the demand for energy and other resources, we are overstressing the capability of our planet. We have an exponential development with an increase in the surface temperature, loss of tropical forest, consumption of primary energy, acidification of the seas, consumption of fertilizers, and growth of CO₂ emission in the last decades. It should be common sense that we discover immediately that we cannot go on as in the last 150 years.

The world energy consumption will grow in any case: The development in India and China, the upcoming increase of the population especially in Africa, the worldwide intensifying use of mobile data with their storage capacity in the cloud, the future use of E-cars with an additional electrical consumption, etc. Solar and wind energy are appropriate sources, but there will and must be other ones as well.

What is the consequence for our industry to provide the energy in time: There will be more power plants in the future and there will be more storage plants. The number of power plants for burning coal, lignite, oil and gas will decrease. Further permissions for coal-fired power plants will be difficult in most of the European countries. Another kind of power plants will come up. Research is necessary to find the best and most effective methods without polluting the environment. Our companies have to adapt their performance to those new demands. This is true as well for all CICIND companies. We will be confronted with major changes. Are we prepared for this?

I would be pleased if we could discuss those future developments in one of our next conferences as well.

At the moment we are focused on planning the next Joint Conference in Edinburgh. We can say that CICIND is coming back home. In 1973, the first CICIND Conference was organized by a hand full of courageous pioneers. Now, 46 years later we are coming back to Edinburgh. Details of this Conference can be discovered at www.icct-2019.org. The Scottish company ZENITH is hosting the conference. More than 40 abstracts of papers are already offered to the Conference Chairmen. Our CICIND member Daniel Jun, Professor at the Hochschule Ruhr West, has taken over the task to check and organize the paper issues to be in the position to present the Conference Book with all the papers before listening to the lectures. We have selected the comfortable Radisson Blu Edinburgh as our Conference Venue. An attractive Conference Program can be offered: We are looking forward to the Klaus Kaemmer Trophy Masters 2019 for

golfers, to an Edinburgh Ghost Tour, to a Gala Dinner at the famous Playfair Library at The Royal University of Edinburgh, visits to Edinburgh Castle, Scotch Whisky Experience and the Gallery in the heart of Edinburgh. The Saturday Tour will show us by boat the three bridges that span over the Firth of Forth and, of course, we are going to a Whisky Distillery: Glenkinchie. The booking can be done by entering the web page. See more information about the ICCT 2019 in this magazine.



Hermann Hoffmeister
Secretary of CICIND

CICIND started a communication with the Tongji University in Shanghai; especially with our CICIND member, Prof. Lin Zhao. We have now received from the Chinese SLDRCE (State Key Laboratory of Disaster Reduction in Civil Engineering) an official proposal for hosting the ICCT-Conference in autumn 2021, together with CICIND, IASS, HRS, and VGB, in Shanghai, China. They are mentioning that China is a perfect place for ICCT 2021 because of a large number of structural engineering, wind engineering researches and construction projects in and around this region, especially many recent investigation has been conducted in the fields of efficiency, reliability and durability of steel and concrete cooling towers and some similar large-span structures for the past decades. The Governing Body have already agreed to accept the proposal and put this into the agenda of Future Conferences. We all should see the connection to the Chinese Market as a challenge and a chance for all countries and companies.

On 20th May 2019, one of our founder members of CICIND, Dr. Hermann Bottenbruch passed away. He was our 2nd CICIND president from 1976 to 1985 with significant input to the structure of CICIND and especially the development of Model Codes with the harmonization of different standards worldwide. He was the former owner of KARRENA and managed the company from 1962 to 1993. The funeral took place on 11th June 2019 in Düsseldorf, Germany. Please find on the following pages very personal greetings from Marius Diver and the speech I gave at Hermann's funeral.

You will find a lot of inspiring explanations and photos of the 91st Conference in Madrid. Thanks to all speakers and their effort to present remarkable papers. Thanks to our hosts of the conference DOMINION with the Alvarez family and the special help they gave us for the conference. Thanks for the respect of the participants among each other and the atmosphere of international friendship that distinguish CICIND and gives the association its typical character.

Hermann Hoffmeister