



Michael Angelides President (Greece)

Michael Angelides is the Managing Director of AMTE Consulting Engineers, based in Athens, Greece. AMTE carries out structural and architectural design work for building and infrastructure projects, with particular specialization in energy and industrial applications. Michael was born in Athens in 1961 and is married to Marika. They have two grown children, Melina and Socrates.

In 1980, Michael left the National Technical University of Athens and went to Canada, where he graduated from McGill University with a Bachelor's and a Master's degree in Civil Engineering, and a specialization in finite element analysis. His first professional experience was in research work in the field of orthopedic biomechanics at McGill and the Montreal General Hospital. He then worked shortly in the aerospace industry at Spar Aerospace in Montreal (today EMS) in the structural design of telecommunication satellites.

Michael returned to Greece in 1989 and joined AMTE as a structural engineer. Since then, he has been involved in the structural design of major industrial projects in Greece, such as cement plants, power plants, LNG installations, refineries and bulk material handling plants, as well as in designs of major building projects, such as the New Athens International Airport. In 1993, Michael became Managing Director of AMTE and the company has now expanded its activities into the international market, with particular emphasis in specialized industrial structures, such as chimneys, cooling towers, silos, tanks and ducts. Over the years, AMTE has developed significant expertise in earthquake resistant engineering and in the seismic upgrading of existing buildings and structures through strengthening or seismic damping. Based on accumulated technical experience and know-how, numerous structures have been reinforced, of which many have been successfully tested by recent strong earthquakes.

During a chimney design project in Greece, Michael met Giovanni DiPoi who introduced him to CICIND and convinced him of the benefits of joining this organization. Michael attended his first CICIND meeting in Copenhagen in 1994 and has since been involved actively with CICIND, having also hosted two meetings: Santorini 1996 and Athens 2007.



Steven Reid Vice President (USA)

Steven is a US citizen born in Alabama and now resides in Atlanta, Georgia with his wife, Karin. Steven has three children; Lauren is a kindergarten teacher, Kevin is a registered nurse, and Amanda and Meagan are in college. Steven graduated from the University of Alabama in Birmingham with his bachelor of engineering degree in 1979 in applied mechanics and machine design. He studied at the masters' level in business administration from 1979 until 1982. He has a master's degree in engineering from the University of Wisconsin. Steven is a part time instructor for the Department of Engineering Professional Development at the University of Wisconsin. Steven is an avid golfer and also enjoys playing guitar and woodworking.

Steven began his career as an application engineer designing air pollution control products such as dust collectors, fabric filters, fans and scrubbers. He was later engineering manager and president of another company for twenty years where he began designing chimneys and ductwork. During this time he led the development of their tuned mass damper technology under the tutelage of Dr. Gerhard Hirsch.

Steven has been a registered professional engineer since 1982 and is licensed in numerous US states and Puerto Rico. He helped author the American Society of Civil Engineers Fiberglass Chimney Manual and the American Society of Mechanical Engineers Steel Stack Standard, STS-1. He was recently awarded ASME's Twenty Five Year Certificate of Recognition.

In 2001, Steven and his brother Charles Reid formed Industrial Environmental Systems (IES) who devote much of its time to the design and construction of steel chimneys. They also do a significant amount of work with silencers, scrubbers, storage silos and steel structures. Recently IES has ventured out of the industrial supply sector and into the utility power sector by designing massive ductwork systems and GRP chimney liners. IES uses advanced structural and flow modeling software to achieve precise solutions.

Steven joined CICIND following the 1990 meeting in Barcelona, Spain. He has written and presented several technical papers including most recently papers on wind actions and acoustical silencing. Steven is currently chairman of the CICIND Steel Committee.



Prof. Dr.-Ing Reinhard Harte

Reinhard Harte was born in Dortmund, Germany, June 8th, 1952. Together with his wife Annette he has two daughters, Lilian and Aline, who both are married and have increased the Harte-family by four grandchildren.

The scientific career of Reinhard Harte started in 1975, researching on geometrically nonlinear shell theory and finite element formulations for shell structures, and receiving his PhD in 1982. Together with Hermann Beem, Ulrich Eckstein and Wilfried Krätzig he then founded the Krätzig & Partner Engineering Consultancy, where he worked till 1997 as CEO. He was responsible for outstanding civil engineering projects, like:

- the reconstruction of the concrete shell-roof of the Berlin congress hall,
- the design and proof of a pre-stressed concrete tank for cryogenic ethylene,
- the design and proof of pre-stressed concrete towers for wind-energy turbines,
- the design and proof of natural draught cooling towers, especially the 200m-tower in Niederaussem.

In 1995 he was certified by the Building Ministry as “Prüfingenieur für Baustatik”, a qualification, which is only awarded to about 600 outstanding civil engineering experts in Germany. Later, he was nominated by the Chamber of Civil Engineers to act as a Certified Expert for Structural Stability and Fire Safety.

Because of these outstanding projects and his excellent professional experience, he was called in 1997 on the chair for “Statics and Dynamics of Structures” at the University of Wuppertal, where he succeeded to Karl-Hans Laermann, former German Minister for Education and Science. In March 2018 he retired, but is still engaged in finishing research projects. He was succeeded by Prof. Dr.-Ing. Arndt Goldack, as well a shell expert, whose PhD-thesis dealt with the stability of high-rise concrete solar chimneys.

Reinhard Harte’s research work over the past 20 years of university career as Full Professor is characterized by the development of numerical tools for the analysis of large-size buildings for power generation, like cooling towers, tanks, chimneys, wind-turbine towers. Due to his practical and scientific experience, he is involved in National and International Expert Boards, like:

- Chairman of Working Group 3 – Cooling and Solar Updraft Towers – IASS International Association for Shell and Spatial Structures
- Member of the Scientific Board for Smoke Stacks and Cooling Towers, VGB PowerTech
- Member of the Scientific Board for Structural Design of Cooling Towers, VGB PowerTech
- Member of the Scientific Board for Wind Energy Turbines, DIBt – Deutsches Institut für Bautechnik
- Vice-Chairman of VDI Expert Board “Building technology”
- Chairman of VDI-Expert Commission on Standard VDI 6201 “Software-Based Structural Analysis”
- Chairman of VDI-Expert Commission on Standard VDI 6210/9 “Demolition Structural Design”
- Chairman of Engineering Academy West, the Educational Institute of the Chamber of Civil Engineers
- Member of Parliament of Chamber of Civil Engineers
- Honorary expert of Grant Agency of Czech Republic GACR, of National Research Foundation NRF, South Africa, of Tyrolean Science Foundation, Austria, and of German Research Foundation DFG.

Since 2010 Reinhard Harte is member of CICIND, and since May 2017:

- Member of the Governing Body of CICIND

In 2012 he organized the **6th International Symposium on Cooling Towers ISCT2012** in Cologne/Germany. Many delegates were from CICIND and asked him to intensify his co-operation with CICIND. Together with Klaus Kaemmer he successfully organized **two Joint Conferences on Industrial Chimneys and Cooling Towers, ICCT2014 in Prague and ICCT2016 in Rotterdam**. Based on the big success of those conferences, CICIND awarded Reinhard Harte by funding three research projects dealing with the different behaviour of chimneys and cooling towers and with the different treatment in their structural design.



Dr.- Ing. Andreas Harling Member (Germany)

The German Governing Body member Andreas Harling was born in April 1971. Since 1996 he is employed in the company Exponent first as Project Engineer and later as Principal Engineer. Since 2000 he is the head of antenna mast group in Exponent. Since 2013 Andreas Harling is Office Director of Exponent.

Andreas Harling is specialized in structural engineering with an emphasis on failure investigations and maintenance activities (inspection, acceptance) of antenna masts since 1995. His experience includes investigations related to the flaws and failures of all kinds of antenna masts, in detail concrete towers (large TV-towers / radio towers), prestressed centrifugally concrete masts, steel masts (lattice and tube).

He is also an expert for the special requirements of the extension of existing tower structures (chimneys, wind power stations) with antennas. His background is based on numerous static calculations, design reviews and assessment of structural behaviour of tower structures using nonlinear static and dynamic analysis techniques. In 2016 he received his PhD in Civil Construction with a thesis about:

„Design of centrifugally concrete masts Close to reality limitation of cracking and deformation”

at the Technical University of Dortmund, Germany. Since 2009 he is also state registered expert for masts and towers (public appointed and sworn by the “Ingenieurkammer Bau NRW”, Chamber of Building Engineers in North-Rhine Westphalia, March 2009).



Denis Radecki Member (US)

Denis is a Senior Structural Engineer with Commonwealth Dynamics, Inc. (CDI) of Portsmouth, New Hampshire (US). CDI provides design, construction and maintenance services for the utility, petrochemical, oil & gas, manufacturing and other industrial markets, specializing in concrete chimneys, steel stacks, combustion turbine exhaust systems, concrete silos and other tall structures.

He received a Bachelor of Science degree in Mathematics from Rose-Hulman Institute of Technology and a Master of Science Degree in Civil Engineering from Carnegie Mellon University. He earned his Professional Engineer license in 1979.

Denis has been involved in the concrete chimney and steel stack industry for over 44 years. He has designed tall concrete chimneys, steel stacks and concrete silos as well as specialized equipment and rigging required to construct tall structures. He has also been the structural engineer for many repair and modification projects.

Other professional memberships include the American Concrete Institute (ACI), the American Society of Civil Engineers (ASCE), the International Association for Shell and Spatial Structures (IASS), and the National Society of Professional Engineers (NSPE). He has been a member of ACI committee 307 (Code Requirements for Reinforced Concrete Chimneys) for 14 years and is currently the committee chair.

Denis and his wife Suzanne live in Terre Haute, Indiana. They have two adult children.



Albert De Kreij Member (The Netherlands)

Albert de Kreij was born in Rotterdam, the Netherlands on 15 August 1964. He studied Business Economics at Erasmus University in Rotterdam and following his graduation in 1989, he joined family company Hadek Protective Systems BV. In the years after 1989, Hadek started to specialize in the internal protection of power station flue gas ducts and chimneys and in 1992, Hadek started to introduce the Pennguard Block Lining System to its customers in this field.

Albert de Kreij is now Sales Director at Hadek and in this function, he is responsible for the research and development, the marketing work and the sales work surrounding the Pennguard technology. He has worked together with experts from the chimney industry to develop new, cost effective chimney designs and he has also been very active studies on wet stacks, and the effects of technical designs on wet stack behavior. Albert is also frequently involved with practical questions concerning the application of Hadek's products on projects around the world.

Albert has been a frequent presenter to CICIND meetings, attending nearly all CICIND meetings since the spring 1998 meeting in Bruges. Most of his presentations to CICIND were made in cooperation with established chimney builders or design experts, and these presentations covered subjects such as chimney design options, chimney (flue) erection methods, wet stack operation, modification of existing chimneys and fire safety.

Albert and his wife Catherine live in Rotterdam. They have one daughter, Poppy (11) and Catherine has three sons from her first marriage; Stan (22), Charles (21) and Elliot (19).

As a CICIND Governing Body Councilor, Albert wants to contribute to finding new areas of research and discussion within CICIND, to ensure that the organization continues to appeal to owners, builders and other parties as a source of knowledge for chimneys.



Darren Smith Member (GB)

I was born in 1965 in Newcastle under Lyme, England. I am married to Alison and have a married daughter, Kate, who is a barrister (lawyer) in London. I am the Business Development Director for Zenith Structural Access Solutions Limited and I am responsible for promoting the Company worldwide. I have a Master Degree in Business Administration from Keele University in England. I attended my first CICIND meeting in Prague in 1995 and became a member of CICIND in 2006. Over the years I have had the privilege of presenting many technical papers at CICIND meetings. We are looking forward to sponsoring the October 2019 joint CICIND/IASS conference in Edinburgh, Scotland.

As the world economy continues to undergo dramatic changes, it presents chimney companies with new challenges. At Zenith, we have endeavoured to innovate and adapt to new market places and opportunities. Using our core competencies and whilst consolidating our presence in our traditional markets, we have expanded our field of operation to incorporate offshore platforms, conservation works and traditional scaffolding, all supported by our in-house structural engineering design capability.

CICIND continues to help Zenith to keep abreast with developments in the industry and I am looking forward to the next few years as a member of the Governing Body and hope to contribute to continuing CICIND's undoubted success.



Hermann Hoffmeister Secretary (Germany)

Hermann Hoffmeister was born in 1952 and is a German citizen. Hermann graduated in Civil Engineering at the Technical University in Berlin and started his professional life in 1981 in the Central Engineering Office of Babcock Bau GmbH as a civil engineer working on structural analysis. After 5 years he became a team leader. In 1994, he joined KARRENA as a Project Manager for national and international chimney activities and became Technical Director of the Chimney Department in 1996.

In 2003, he was appointed Chimney Director of KARRENA/BEROA with its main office in Ratingen, Germany and Chimney Business Leader of the BEROA Technology Group.. As a Director of the Board of BIERRUM, UK, he started a partnership to construct Cooling Towers for KARRENA and later for BEROA. He was MD for BEROA Chile to build chimneys in a high-risk earthquake zone. Hermann was active in the South African market for more than 20 years. To be the Project Director of BEROA for four, three-flue, chimneys in Medupi and Kusile Power Plants (4800 MW each) was one of his most exciting tasks. He completed his business life as Director of BEROA with the two 185m Cooling Towers in Opole.

For many years he has been engaged in different committees of the German Society for Refractories and Chimneys and has given lessons for construction managers of the German Construction Industry. He is married to Eva and they have two sons, Julian and Klaus.

Hermann joined CICIND in 2003 after his first CICIND meeting in Amsterdam. He has written and presented several technical papers about the construction of chimneys. He has served for many years as a member of the Governing Body.

After his retirement in December 2017, he was appointed as Secretary of CICIND commencing on 1st January 2018.