



# **Biographies of members of the General Assembly of Associates**

### **José Mario Esparza**

José Mario Esparza Gutiérrez is President of the General Assembly of Associates and of the Directive Council of CACEI.

He is President of the Advisory Council of IMPLAN Fresnillo; vice president of internal Management of the Delegation of the Chamber of Construction Industry of Zacatecas; and he is a professor at Fresnillo Higher Institute of Technology, Zacatecas. He is also the Director responsible for the work associated with and is the sole administrator of Antlia Constructions, a company dedicated to civil works.

He is a Civil Engineer graduated from the Autonomous University of Zacatecas. He holds a specialization degree from the University Institute of Postgraduate Studies in Senior Management. He is certified in Skills and Knowledge for the Supervision of Public and Private Works.

His work experience of more than 40 years is in the fields of Civil Works, Highways, as well as Administration and Maintenance of Heavy Equipment for construction.

### **Dante Real**

Dante Real Miranda is Director of the Higher School of Chemical Engineering and Extractive Industries at the National Polytechnic Institute (ESIQIE) since 2015, where he has been working since 2001. He is also President of the National Association of Faculties and Schools of Engineering, A.C., (ANFEI).

He is an Industrial Chemical Engineer who graduated from ESIQIE and a specialization degree in Education at the Private University of Irapuato.

### **Israel Barrios**

Israel Barrios is the General Director of the General Directorate of Professions of the Ministry of Education (SEP) since September 2017.

He has a Master's degree in Business Administration from UNITEC, with M.S. studies related to Public Administration.

He has held various positions in the Ministry of Education of the state of Michoacán and other public administration bodies since 2006.

Among his professional achievements are the implementation of the Administrative Reorganization Process of the Ministry of Education of the state of Michoacán in 2004 and the Coordination and Implementation of Faculty Evaluation Processes in that state in 2015 and 2016.

## **Rafael López**

Rafael López is currently President of the National Center for the Evaluation of Higher Education (CENEVAL). He served as Executive Secretary of the National Association of Universities and Institutions of Higher Education (ANUIES), as President of the Mexican Association of Continuing and Distance Education (AMECyD), and also as National President of the Polymer Society of Mexico.

He has been professor at the Autonomous University of the State of Mexico since 1977, where he served as Dean of the School of Chemistry, General Coordinator of Research and Higher Education, and President of the University (2001-2005).

Dr. Lopez received his B.S. in Chemistry from the Autonomous University of the State of Mexico, M.S. in Organic Chemistry from the Autonomous University of the State of Morelos and a PhD in Chemistry from the National Autonomous University of Mexico (UNAM).

He was awarded a scholarship by the Japanese Government (MOMBUSHO), 1983-1985 for a research stay at the University of Tokyo, Japan. From 1987 to 1991 he was awarded a scholarship to carry out eight research stays at the Karlsruhe Nuclear Centre of the International Agency of Atomic Energy, Vienna. He also had research stays at Texas A & M University, USA, at Takasaki, Japan and at the University of Syracuse, USA.

He has co-authored books with topics related to air pollution and spectroscopy. He has more than 60 publications between articles and book chapters. He has presented approximately 80 conferences in Mexico and abroad. He has been keynote speaker at many scientific events. In 1986, he became member of the CONACYT's National System of Researchers of Mexico.

## **Federico Martino Silis**

Federico Martino Silis is a member of the Advisory Board of the National Chamber of Consulting Firms, where he held the positions of Secretary and Vice President for several terms and is currently a Development Consultant. He is a professor of the Bachelor and Master's degrees at the University of the Valley of Mexico, teaching subjects in the areas of Administration and Marketing, as well as in the Development of Educational Programs: and the Development of Graduate Studies. He is a member of the Advisory Council of the University of the Valley of México.

He has a degree in Business Administration from the University of the Valley of Mexico and a Master's degree in Public Administration from the International Institute of Public Administration in Paris.

With a professional career of more than 45 years, he worked as an Organizational Analyst, Technical Advisor to the Director, Advisor to the General Director, as well as Administrative Director and Area Director at the Ministry of Agriculture and Hydraulic Resources (SARH); he has been Department Head at the Bank of Mexico; General Manager in Specialized

Commercial Support; S. C; and he is currently the General Director in Specialized Integrated Management, S.A. of C.V.

He has held positions in various projects aimed at Potable Water, Sewage, and Sanitation Systems, as well as in Rehabilitation of Drinking Water Networks. These positions have allowed him to participate in the development of technical studies and projects related to regional planning; the updating of the Users Registry through censuses; and the design of Procedures, Positions and Organization Manuals for Financing of Diagnostic Studies in several states in Mexico.

### **Jorge Luis González**

Jorge Luis González is the President of the College of Civil Engineers of Chihuahua, Chihuahua, A.C.

He has a Civil Engineer degree with a Master's degree in Construction Administration.

He has worked in the Delegation of Chihuahua of the Secretariat of Programming and Budget of the federal government; in the Delegation of the State of Chihuahua of the Institute of the National Fund for Housing for Workers (INFONAVIT) and is a specialist in Hospital Work.

He was awarded the "Presea Luis Jiménez" in 2003; which is awarded to those individuals who have contributed outstandingly in the professional activities of the College of Civil Engineers of Chihuahua, Chih., A. C.

He is also a Member of the College of Civil Engineers of Chihuahua, Chih., A.C., since 1999.

### **José Inzunza Ronquillo**

José Inzunza Ronquillo is President of the College of Civil Engineers of Mexicali, Baja California; Assistant Secretary of the Board of Directors of the Mexican Federation of Associations of Civil Engineers (FEMCIC); and member of the Mexican Association of Land Roads Engineering, A.C. He runs his own engineering and construction companies.

He has worked in the Ministry of Agriculture and Hydraulic Resources (SARH) in the National Water Commission. He has also carried out two projects of his own: the firm Projects of Engineering, Supervision and Advisory, S.C., has been promoting projects dedicated to the development of engineering in the hydraulic area and in urbanization; and Inzunza Ingenierías, S. A. which is dedicated to the construction of civil works.

He is an active member of the Section of the Mexican Association of Hydraulics of Baja California and the American Society of Civil Engineers since 2010.

### **Alejandro Matos**

Alejandro Matos is president of the College of Engineers of the Municipalities of Cozumel and Solidaridad, AC. He is Director of the Laboratory of Quality Control and Supervision; Director of Execution of Projects of Engineering and Construction; and the Director of EPICO Concrete, S.

He is a Civil Engineer graduated at the School of Engineering at the Autonomous University of Yucatan with extensive preparation in topics related to the Administration and Supervision of Works, Maintenance of Equipment and Concrete.

From 2007 to date, he has been Legal and Technical Representative at MASA Quality Control, Project Execution of Engineering and Construction, SA de CV, from 2009 to date and Plant Manager and Legal Representative of EPICO Concrete, S. de RL of CV since 2016. He has worked for the Caribbean Developer Consortium, for Concrete Cozumel, SA de CV, for CEMEX Concrete SA de CV and Peninsula Quarries Group. He is also a Director for Responsible Work (DRO).

### **Juan Carlos Meza Gastelum**

Juan Carlos Meza Gastelum is president of the College of Civil Engineers of Sinaloa, CICS, A.C. since December 2017. He is president of the Chapter of Cost Estimators, Sinaloa, A.C.

He is a Civil Engineer graduated at the School of Engineering of the Autonomous University of Sinaloa. He has a Master's degree in Real Estate Appraisal from the Autonomous University of Durango and has a specialty in Appreciation of Machinery and Equipment.

He is an Assessor in the Cadastral Institute of the State of Sinaloa, Expert Valuator for the Supreme Court of Justice of the State of Sinaloa, and he is the Director in charge of the registration work in the College of Civil Engineers.

### **José Waldemar Gómez**

He is President of the College of Civil Engineers of Yucatan, since January 2018. He teaches at the School of Architecture of the Marist University of Mérida. He is the CEO of Stromen, S.A., a hydraulic and fire systems integration company; and he is the operations director of Aqualux Ingeniería, S.A. of C.V. Since 2003, he has been working in consulting services focused on Risk Management and Preventive Construction.

He is a Civil Engineer graduated from the Mérida Institute of Technology and holds a Master's degree in Business Administration from the Marist University of Mérida. He has studied several diploma courses directly focused on: High Administration, Talent Development and Leadership, Instruction, Administration, and Management.

He is a member of the National Fire Protection Association (NFPA), Miami, Florida, USA. He is member of several chapters of the association, such as Electrical, Architects, Engineers and Building Official, Building Fire Safety Systems, Health Care and Industrial Fire Protection. He has also been a part of the National Association for the Protection and Regulation against Fire (ANPRECI) that resides in Guadalajara, Jalisco.

### **Enrique Gómez**

He is the President of the College of Mining Engineers, Metallurgists and Geologists of Mexico, A.C.

He has a degree in Geological Engineer (BS in Geology) by the National University of Mexico, with specialized studies in Metallogeny at the Faculty of Sciences of the University of Paris (Paris, France) and in Porphyry Copper Mineral Exploration, in the Engineering Department of the University of Arizona (Tucson, AZ, USA).

Throughout his professional career, he has held different positions in the private, academic and public sectors. He has wide technical experience and an important capacity as operations manager, teacher and commercial promoter. He has worked in several mining companies such as Olmeca Sulfur Co., Santa Maria de la Paz Mining Group, Hecla Mining Co. and especially in companies of the two largest mining groups in Mexico: Grupo México (formerly Asarco, Inc.) and Grupo Peñoles .

In 1991, he received the National Geology Award from the Mexican Association of Mining, Metallurgical and Geological Engineers and in 2006 he received the National Recognition in Geology of the College of the same specialties; as well, due to its outstanding contribution to the development of the country in the mining aspects from 2012, he received the Qualified Professional Certificate (01425QP) from the MMSA.

He is an academic member of the Mexican Academy of Engineering since 1991 and an active member of several professional societies, national and international as the Mexican Association and the College of Mining Engineers, Metallurgists and Geologists; the Geological Society of Mexico; the Mining, Metallurgy and Exploration Society (SME); The Society of Economic Geologists (SEG), the Geological Society of America (GSA) and the Mining and Metallurgical Society of America (MMSA).

He is a member of the Engineering Advisory Technical Commission of the General Directorate of Professions of the Ministry of Public Education (SEP).

### **Manuel Arturo Rodríguez**

He is President of the College of Geological Engineers of Mexico. He is a research professor of the Interdisciplinary Center for Research and Studies on Environment and Development of the National Polytechnic Institute (CIEMAD) and assistant professor at the Higher School of Engineering and Architecture of the IPN (ESIA).

He is a Geological Engineer and holds a Master's degree in Geological Engineering.

His professional career during his 31 years within the Mexican Petroleum Institute (IMP) was mainly in the areas of Hydrocarbon Exploration, Natural Resources, Environmental Geology, Remote Sensing, and Geological Risk. He has stood out for his excellence in the field during his 15 years of activities related to the design, exploration, and construction of cavities in salt domes for various purposes such as storage of hydrocarbons, confinement of hazardous waste, and other areas.

He has patents and copyrights as a result of his work for the construction of domes, data compilation and geological evaluation.

He is a member of the Mexican Union of Engineering Associations, the Mexican Geological Society, and the Association of Petroleum Engineers.

### **Ricardo Thierry**

He is President of the National College of Industrial Engineers in Mexico. He is a Senior Member of the Institute of Industrial and Systems Engineering and member of the consortium GLORI (Global Logistics Research Initiative). With a clear interest in Logistics and Supply Chain Management, his experience of 32 years goes from autoparts industry, through consulting companies like FEMSA Coca-Cola, Walmart de México, UNILEVER, ADO, Baxter and others. Those other companies where he has been a consultant, speaker or instructor include: INBURSA, Astra Zeneca, Baxter, Sanofis, Vendo, FLORAPLANT, COTEMAR, USCO Logistics, Servicio Postal Mexicano, Kuehne Nagel de México, Continental Automotive and IBM.

His B.S. degree is in Industrial and Systems Engineering, at the Tecnológico de Monterrey, Mexico's State Campus. Master in Science in Manufacturing Systems, Tecnológico de Monterrey, Mexico's State Campus. Master in Business Administration, Tecnológico de Monterrey, Mexico City Campus. Ph.D. in Interdisciplinary Engineering (Industrial Engr. Dept. and Nuclear Engr. Dept.), Texas A&M University.

Member of the Institute of Industrial and Systems Engineers (IISE) since 1987 and Senior Member since 1989. Track Chair in the IIE Sustainable Development Division, 2017, 2016, 2015, 2014

### **Rafael Julio César Contreras**

Rafael Julio César Contreras Borrayo is the sole administrator of the company Supervisors and Designers of Facilities, S. A. since 1983; he is professor of the School of Higher Studies of Acatlán at UNAM (FES Acatlán) since 1978; and President of the College of Mechanical Electrical Engineers, A.C. (CIME)

He is an electrical engineer graduated from the School of Engineering at the National Autonomous University of Mexico (UNAM).

He is a member of the Society and Alumni of the Faculty of Engineering of the UNAM; as well as a member of the International Association of Electrical Inspectors; a member of the Electrical Section of the NFPA Quincy in Massachusetts, USA; and also a member of the Mexican Association of Electrical Mechanical Engineers.

### **José Luis Fong**

He is President of the National Association of Petroleum Engineers, A.C. and Subdirector of Production in the North Blocks of Petróleos Mexicanos (PEMEX).

He is an oil engineer with a Master's degree in Petroleum Engineering and Reservoir Physics. He graduated from the National Autonomous University of Mexico.

He has developed a career in PEMEX for more than 33 years, where he has hold several positions in an ascending way to occupy several production subdirections since 2010.

He has obtained the recognition of the General Direction of Exploration and Production of PEMEX for his high performance; as well as recognition for his management of associated gas to reduce the emission of greenhouse gases in the facilities of the Southwest Marine Region. He obtained the National Petroleum Engineering Award in 2012 and has receivedd other awards for his excellent performance in safety and operational reliability.

He is a member of the Association of Petroleum Engineers of Mexico (AIPM).

### **Edmundo Arias**

He is President of the National Council of Chemical and Chemical Engineers, A. C.; Vice-president of the XVII Executive Commission of the Mexican Union of Associations of Engineers, A.C.; (UMAI) and member of the Editorial Board of the International Journal of Protection and Environmental Policy Science. PG.

He is an Industrial Chemical Engineer graduated from the School of Chemical Engineering and Extractive Industries of the National Polytechnic Institute (ESIQIE IPN); he has a Masters in Chemical Engineering, specialized in Biotechnology, as he graduated from the University



of Birmingham, England. He has a Ph.D. in Chemical Engineering specialized in Biotechnology, at the University of Aston, England.

He has participated in multiple national and international activities related to environmental improvement and has held strategic positions related to this professional field before he reached the Presidency of the Environmental Chemistry Division of the Chemical Society of Mexico from 1997 to 2012.

Among his professional achievements are the coordination of environmental projects such as "Evaluation of the impact of sulfur dioxide emissions in the areas of influence of the Petrochemical Complexes of Cactus and Ciudad of PEMEX in Chiapas," as well as the "Study of wastewater and proposal for its treatment," for the municipality of Atoyac, Veracruz

He is a member of the Engineering Advisory Technical Commission of the General Directorate of Professions of the Ministry of Public Education (SEP).

### **Teófilo J. Ramos**

Director of Latin America and the Caribbean Region of the Institute of Electrical and Electronic Engineers (IEEE) 2018-2019. Member of the Board of Directors of the Institute of Electrical and Electronic Engineers (IEEE). Professor Emeritus of Monterrey Institute of Technology.

B.Sc. in Electrical Engineering, Monterrey Institute of Technology, Monterrey, Mexico 1967. M.Sc. and Ph.D. in Electrical Engineering, University of Pittsburgh, USA 1969, 1975.

Dean of the School of Engineering and Architecture of the Monterrey Tech Campus 1982-1997 (Monterrey Campus has over 16,000 students, and it is the largest and most important campus of the Monterrey Tech University System which in total has more than 80,000 students).

Dean of Research and Continuing Education of Monterrey Tech University System. (Responsible of the research and continuing education operation of the 30 campuses of the Monterrey Tech System). 1998-2000.

Responsible for promoting for the first time in Mexico the evaluation and accreditation by ABET of all the engineering programs of the Monterrey Tech. Campus (Elect. Eng., Civil Eng., Mech. Eng., Chem. Eng. and Industrial Eng.) 1992.

President of the Mexican Association of Schools of Engineering. (ANFEI 1994-1996). Promoting the welfare and enhancement of engineering education and one of the main promoters of creation of CACEI.

Organizer and promoter of the "First Canada-United States-Mexico Engineering Dean's Meeting", held in Cancun Mexico in March 19-21 1994, with an attendance of more than 300 deans from the three countries.