

# ENGINEERING THE CITIES OF THE FUTURE

*Thursday, March 2<sup>nd</sup> 2023*

8:30 *Registration*

9:00 *Opening*

- ✚ **José Luis Martínez-Almeida**, Mayor of Madrid, Tbc.
- ✚ **M<sup>a</sup> Jesús Prieto Laffargue**, Past President of IIE. Past President of WFEO
- ✚ **Prof. José Vieira**, President World Federation of Engineering Organizations, WFEO
- ✚ **José Trigueros**, President Instituto de la Ingeniería de España, IIE

09:30 *Key Note Speaker –*

- ✚ **Dr. Shamila Nair-Bedouelle**, Assistant DG for the Natural Sciences of UNESCO

10:00

COFFEE BREAK

10:30 *Energy and raw materials, dependency of cities*

**Presenter:**

- ✚ **Esther Alonso**, General Director of Energy and Sustainability of Atlantic Copper
- ✚ **Agustín Delgado Martín**, Área de Presidencia. Innovación y Sostenibilidad de Iberdrola.
- ✚ **Eric Ohaga**, President of Engineers of Kenya, IEK
- ✚ **Jean Eudes Moncomble**, Chair Energy Committee, WFEO.

12:00 *Great urban challenges: Disaster Prevention*

**Presenter:** Dr. **José Macharé**, Chair of Disaster Risk Management Committee WFEO, Perú.

- ✚ **Pedro Tomey**, CEO of Fundación AON.
- ✚ **Prof. Kenichi Tsukahara**, Director of the Disaster Risk Reduction Research Centre in Japan.
- ✚ **Prof. Shankar M. Krishnan**, International Federation of Medical and Biological Engineering.

13:00

LUNCH

15:00 *Infrastructures and Demographic Challenge*

**Presenter:** **David García Nuñez**, President of Madrid World Capital of Construction MWCC.

- ✚ **Irene Campos**, Former Minister of Housing and Human Settlements. Costa Rica.
- ✚ **Mr. Ling Wen**, President, Shandong Association for Science and Technology, China.
- ✚ **Rosalía Gonzalo**, CEO Madrid Calle 30
- ✚ **Eng. Martin Manuhwa**, Chairman of the WFEO Capacity Building Committee

16:00 *Mobility and Communications: Challenges of a sustainable urban environment*

**Presenter:**

- ✚ **Speaker** from Municipal Transport Company of Madrid, EMT
- ✚ **José Ángel Tamariz**, Director de Europa y Nuevos Mercados & Asset Management Director, Ferrovial
- ✚ **Firas N Bou Diab**, Chairman of the WFEO Youth Committee

17:00 *Role of women engineers*

**Presenter:** **Mari Cruz Díaz Álvarez**, Ingenium Committee of IIE

- ✚ **Prof. Dawn Bonfield**, Deputy Chair of Women in Engineering, WFEO
- ✚ **M<sup>a</sup> Teresa Pino**, Former President of Pan American Union of Engineering Associations, UPADI
- ✚ **Lidia Santiago**, Vice president of Ordem dos Engenheiros of Portugal
- ✚ **Dr. Ania López**, National Council of Engineers of Italy
- ✚ **Ms. He Jing**, Deputy Chief Architect, China Institute of Building Standard Design & Research

20:00 *Official Gala Dinner*

# Friday, March 3<sup>rd</sup> 2023

8:30 *Registration*

9:00 *KNS: José María García Gómez*, Viceconsejero de Vivienda y Ordenación del Territorio, Spain

9:30 *The Cities of the Future*

**Presenter:** . Tbc.

- ✚ **José Luis Martínez-Almeida**, Mayor of Madrid, Tbc.
- ✚ **Ricardo Río**, Mayor of Braga, Portugal.
- ✚ **Excmo. Sr. D. Allen Sellers Lara**, Ambassador of Panama in Spain.
- ✚ **Jorge Serrano**, Technical Director MNN
- ✚ **Dr. Nahla Ahmed Alqasimi**, Vice president of the Society of Engineers, United Arab Emirates.

10:30

COFFEE BREAK

11:00 *Urbanism: Engineering, Architecture, Sustainability and new green spaces in cities*

**Presenter:** **Mustafa Shehu**, President Elect of WFEO

- ✚ **D<sup>a</sup> Silvia Villacañas Beades**, Directora General de Planificación Estratégica de Madrid.
- ✚ **Davide Stronati**, Chair of Engineering and the Environment Committee, WFEO. UK
- ✚ **Andreas Brandner**, President of European Council of Civil Engineers
- ✚ Speaker from **CEMEX**.
- ✚ **Alfonso Vegara**, President Fundación Metrópoli SP

12:00 *Water in future cities*

**Presenter:** **Ignacio González Castelao**, Chair of Water Committee, WFEO.

- ✚ **Dr. Abou Amani**, Director of the UNESCO Water Science Division
- ✚ **Pascual Fernández Martínez**, Managing Director Canal Isabel II
- ✚ **Dr. Marlene Kanga AO**, Non-Executive Director and Board Member, Sydney Water Corporation Chair Planning and Infrastructure Committee.
- ✚ **Sara Perales**, CEO Green Blue Management (TYPESA Group).
- ✚ **Michael Toh**, Industry Director and Technology Collaboration PUB, Singapore's National Water Agency

13:30

LUNCH

15:30 *Round Table International Organizations*

- ✚ **Presenter: José Vieira**, President World Federation of Engineering Organizations, WFEO
- ✚ **Prof. José Trigueros**, President Instituto de la Ingeniería de España, IIE
- ✚ **Fernando de Almeida Santos**, President Ordem dos engenheiros Portugal, OdEP
- ✚ **Prof. Song Yonghua**, Executive Board Member of CAST and Rector of University of Macau
- ✚ **Salvador Landeros**, President Pan American Union of Engineering Associations, UPADI.
- ✚ **Ralph Appel**, President Federation Engineers Europe, FEANI.
- ✚ **Papias Kazawadi**, President Federation of African Engineering Organizations, FAEO.
- ✚ **Kamel Sahnoun**, President Federation of Arab Engineers, FAE.
- ✚ **Adil Al-Hadithi**, Secretary General Federation of Arab Engineers, FAE.
- ✚ **Prof. Dr. Huang Wei**, President Federation of Engineering Institutions of Asia and the Pacific, FEIAP.

17:30 *Presentation of the World Engineers Convention, WEC 2023*

**Daniel Hanus**, President of the Czech Association of Scientific and Technical Societies

17:45 *Presentation of the World Engineering Day, WED 2023*

18:00 *Closure*

- ✚ **José Trigueros**, President Instituto de la Ingeniería de España, IIE
- ✚ **Prof. José Vieira**, President World Federation of Engineering Organizations, WFEO

# *Saturday, March 4<sup>th</sup> 2023*

8:30 *Registration*

9:00 *Opening*

- ✚ **Guillermo Cisneros**, Chancellor of Universidad Politécnica de Madrid.
- ✚ **Antonio Colino**, President Royal Academy of Engineers of Spain.
- ✚ **Prof. José Vieira**, President of WFEO.
- ✚ **José Trigueros**, President of IIE.

09:45 *Proclamation of the Hackathon results*

10:00 *Keynote Speakers*

- ✚ Speaker from **Iberdrola**
- ✚ **Javier Targhetta**, President of Atlantic Copper
- ✚ **Ignacio Madrideojos Fernández**, CEO of Ferrovial
- ✚ **José Osuna Gómez**, General Director of TYPESA
- ✚ **Pedro Tomey Gómez**, General Director of Fundación AON
- ✚ **Alfonso Sánchez Vicente**, Director Gerente de EMT Madrid
- ✚ **Jesús Casas**, President of TRAGSA

11:30

COFFEE BREAK

12:00 *Keynote Speakers*

- ✚ Speaker from **MNN**
- ✚ **Dr. Marlene Kanga**, Past President WFEO
- ✚ **Prof. Gong Ke**, Immediate Past President WFEO.

13:00 *Closure*

- ✚ **Mustafa Shehu**, President Elect of WFEO.

13:30

TAPAS LUNCH