

Conference Agenda

October 27 Day 0: Registration

13:00 PM - 18:00 PM *Exhibition Staging expositors only*
14:00 PM - 18:00 PM *Registration desk open - Exhibition Foyer*

October 28 Day 1: Creating a Sustainable Future for All

8:00 AM - 10:00 AM WiN Executive and Board meeting with **Coffee Break**
(open only for WiN-appointed representatives / Hybrid) - Room: Revolución

10:15 AM - 12:00 AM WiN General Assembly (open to all / Hybrid) - Room: Revolución
Independent lunch

12:00 PM - 16:00 PM *Registration desk open - Exhibition Foyer*

14:00 PM - 15:05 PM Opening Ceremony - Room: Revolución

- Welcome to the event and acknowledgement of sponsors - *Dominique Mouillot, WiN Global / Alejandro Núñez, SNM & CNSNS / Melina Belinco, Chair / Fabián Barrios, Chair / Raquel Heredia, Chair*
- Video Opening messages: *Rafael Grossi, IAEA / Sama Bilbao y León, WNA / William D. Magwood IV, NEA*
- Opening messages - Prospects for nuclear energy in the region - *Javier Palacios, ININ / Hortensia Jiménez, ABEN*
- Opening messages - the importance of championing a diverse and inclusive industry - *Joocho Hwang KHNP (video) / Hind Abdulla Saeed Alnaqbi, WiN Barakah*

15:05 PM - 16:10 PM **Keynote Plenary: "Creating the pathways to a clean energy transition" - Room: Revolución**

This session will bring together leaders from the industry to explore the crucial steps and collaborative efforts required for achieving a clean energy transition. The discussion will focus on innovative strategies and the role of nuclear energy in securing a sustainable future.

Moderator: Cecilia Martin del Campo, Mexican National Autonomous University (UNAM)
Speakers:

- *See-Moon Park, KHNP*
- *Jhansi Kandasamy, The Nuclear Company*
- *Hortensia Jiménez, ABEN*
- *Julio César Núñez, TFV*
- *Irene Aegerter, 1st WiN Global President*

16:10 PM - 16:40 PM

Coffee Break and Networking - Exhibition Foyer

16:40 PM - 17:40 PM
Revolución

Keynote Plenary: "Leaving no one behind" - Room:

Experts will discuss how inclusivity and equitable access to clean energy are essential to the success of global energy transitions. This session will highlight the importance of integrating underrepresented voices and ensuring that no communities are excluded from the benefits of clean energy development.

Moderator: Angela Abadia Zapata, Ministry of Mines and Energy Colombia

Speakers:

- *Aleshia Duncan, DOE & IFNEC*
- *Shaukat Abdulrazak, IAEA (Virtual)*
- *Melina Belinco, WiN Global & WiN ARCAL*

17:40 PM - 18:40 PM

Keynote Plenary: "Fostering Innovation through Industry Collaboration" - Room: **Revolución**

This panel will emphasize the critical role of industry collaboration in driving innovation within the nuclear sector. Experts from various organizations will share insights on how partnerships and shared expertise can accelerate technological advancements, foster a culture of innovation, and ensure the industry's sustainable long-term success.

Moderator: Xiaohong Cheng, Women in Nuclear in Innovation Initiative Lead (WiNI-WiN Global Group of Expertise)

Speakers:

- *Tina Hernández, INMM*
- *Dominique Mouillot, Nuvia*
- *Javier Palacios, ININ*
- *Ivan Dybov, Rosatom Latam*

19:30 PM - 22:30 PM

Welcome Reception - Room: Gran Insurgentes

October 29 Day 2: Innovative Nuclear

08:00 AM - 08:00 AM Opening of posters exhibition

08:00 AM - 10:45 AM **Technical Sessions & Workshops**

Room: Revolución 1	Room: Revolución 2
<p>08:00 AM - 09:00 AM - Panel: “Securing the Future: Fostering Diversity and Innovation in Nuclear Security”</p> <p>Moderator: Lina Celis del Angel Centeno, ININ Speakers: Viviana Espinosa, WINS; Samuel Clements PNNL</p>	<p>08:00 AM - 10:45 AM - Track 2: Reactor physics technical sessions</p> <p>Moderator: Roberto López-Solis, ININ; Celeste Montañño-Acevedo, ININ</p>
<p>09:00 AM - 10:45 AM - Track 7: Radiological Protection technical sessions</p> <p>Moderator: Sonia Azucena Saucedo Anaya, UAZ</p> <p>9:00 - 9:15 Asma Ayadi, Najeh Ahmed and Imen Hammami. A Python-Driven Interface ‘IMAGICARE AI’ for Computed Tomography Image Processing with Integrated Artificial Intelligence for Enhanced Cancer Diagnostics</p> <p>9:15 - 9:30 Lonah Ong’Ayo and Lilian Muikamba. Radiation Safety in Nuclear Medicine: Addressing Gender-Specific Challenges for Female Workers and Patients at Medical Facilities</p> <p>9:30 - 9:45 Laila Alhousseini Alhassane. Using Shielding blocks in ENT irradiation at CNLC</p> <p>9:45 - 10:00 Patrizia Pereyra Anaya, Daniel Alonso Muñoz Gambini, Daniel Francisco Palacios Fernandez, Yazmin Paraguay Villa, Angelica Prado Muro and Lupe Espinoza Luna. Mining tailings as raw material for construction products: a proposal to mitigate social impact on nearby communities</p> <p>10:00 - 10:15 Cintya Fabiola Herrera García. Qualitative Characterization of Uranium samples, oriented to investigation in Nuclear Forensics</p> <p>10:15 - 10:30 Malak Ben Salem, Amira Zaouak and Ahlem Noomen. Gamma Irradiation treatment of Quinoline Yellow in aqueous solutions</p>	<p>8:00 - 8:15 Jose Luis Montes Tadeo, Eduardo Martinez Caballero and Jose Ramon Ramirez Sanchez BWR Fuel Lattices with Minor Actinides</p> <p>8:15 - 8:30 Juan Enrique Hernández-Flores, Juan Jose Ortiz-Servin and José Alejandro Castillo-Méndez Analysis of Plutonium Production in a BWR Reactor</p> <p>8:30 - 8:45 Daniela Alejandra Arroyo García, Juan José Ortiz Servin, Alejandro Castillo and Daniel Tonalli Castillo Salinas Burnup Analysis of Fuel Assemblies from the Last Operating Cycles of a BWR</p> <p>8:45 - 9:00 Edmundo Leonardo Serrano Hernández, Edmundo Del Valle and Armando Miguel Gómez Torres Development, Verification, and Validation of an Advanced Nodal Version of the AZKIND Code</p> <p>9:00 - 9:15 Karina Cruz Vázquez, Juan Luis François Lacouture and Emiliano Morones García Preliminary neutronic design of a multipurpose nuclear microreactor</p> <p>Moderator: Edmundo del Valle Gallegos, Karina Cruz Vázquez</p> <p>9:30 - 9:45 Emiliano Morones-García and Juan-Luis François Neutronic Evaluation of Two Different Types of Fuel Material on the Performance of a Fast Nuclear Microreactor: First Approach to Mizton</p>

	<p>9:45 - 10:00 Jesús Jorge Domínguez Alfaro, Gilberto Espinosa-Paredes, Alejandría Denisse Pérez-Valseca and Roberto Lopez-Solis Helium Fraction Reactivity Effects in a Thermal Molten Salt Nuclear Reactor</p> <p>10:00 - 10:15 Saul Ricardo Velazquez Cano, Armando Miguel Gomez Torres and Edmundo del Valle Gallegos AZIMUTAL, a tool for the visualization of group constants and automation in the generation of NEMTAB files.</p> <p>10:15 - 10:30 Sergio Andrés Villamil Clavijo, Edmundo del Valle Gallegos and Armando Miguel Gómez Torres Graphical interface for generating SERPENT input for light-water nuclear reactors</p> <p>10:30 - 10:45 Roberto Lopez-Solis and Celeste Montaña-Acevedo First Steps on the Designing and Modeling of a High-Temperature Gas-Cooled Microreactor</p>
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09:00 AM - 10:30 AM **Workshop:** “Strategic Influencing For Energy Transition” - Room: Alameda 1

Workshop Lead: *Safa Y. Abdo, WiN Global Young Generation*

Overview: This interactive workshop will equip participants with the tools to influence key stakeholders in the energy transition process strategically. By exploring the Strategic Influencing Framework, participants will learn to identify and categorize supporters, power holders, and coalitions and develop approaches to engage them effectively. The session will focus on reaching beyond immediate networks to secure the support of those with critical resources, information, and credibility.

10:45 AM - 11:15 AM **Coffee Break and Networking** - Exhibition Foyer

11:15 AM - 12:45 PM

Technical Sessions & Workshops

Room: Revolución 1	Room: Revolución 2
<p>11:15 AM - 12:45 - Track 5: Environment and Non-Electric Applications</p> <p>Moderator: Fabiola Guido García, UNAM</p> <p>11:15 - 11:30 Tadelech Mekonin and Tilahum Deressu. Investigations of Natural Radioactivity Levels and Assessment of Radiological Hazard of Tea Samples Collected from Local Markets in Ethiopia</p> <p>11:30 - 11:45 Amira Zaouak, Ahlem Noomen and Haikel Jelassi. Performance and Degradation Pathways of Erythrosine by Ionizing Radiation in Aqueous Solutions</p> <p>11:45 - 12:00 Samreen Shehzadi, Sadia Kanwal, Yasir Faiz and Tanveer Ahmad. Neutron Activation Analysis and Atomic Absorption Spectrometry of Watermelon Rind as Potential Bio-adsorbent for Toxic Metals Decontamination of Water</p> <p>12:00 - 12:15 Celeste Montaña-Acevedo and Itzel Olguín-Rodríguez. Potential use of the TRIGA Mark III Reactor for neutrographies</p> <p>12:15 - 12:30 Jesús Andres Arreola Ramírez, Carlos Rios Martinez and Daniel Hernández Ramírez. Investigating the relationship between soil properties and natural gamma emitter activity in Zacatecas using linear models and neural networks</p>	<p>11:15 AM - 12:45 - Track 2: Reactor physics technical sessions</p> <p>Moderator: Alejandría Denisse Pérez-Valseca, UAM-I; Emiliano Morones-García, UNAM</p> <p>11:15 - 11:30 Eva Gyane and Agostina Serrano Bentancour Nuclear Technology Innovations and Export Controls</p> <p>11:30 - 11:45 Carlos Antonio Cruz López, Gilberto Espinosa Paredes and Juan Luis Francois Two Alternatives Proofs to an Inequality Related to a Periodic Power Variation in a Nuclear Reactor</p> <p>11:45 - 12:00 Vicente Xolocostli-Munguía, Armando Gómez-Torres, Julián Durán-González, Gianfranco Huaccho-Zavala, Alejandro Campos-Muñoz, Víctor Sánchez-Espinoza and Edmundo del Valle-Gallegos Solution of the neutronics benchmark of the NuScale-like core using the AZTRAN code</p> <p>12:00 - 12:15 Roberto Lopez-Solis, Armando Gomez-Torres and Edmundo del Valle-Gallegos Mexican Results on the Refined Phase of the NEA Lead-cooled Fast Reactor Benchmark</p> <p>12:15 - 12:30 Roberto Lopez-Solis, Armando Gomez-Torres, Juan Galicia-Aragon and Edmundo del Valle-Gallegos Results of Mexico's Participation on the Extension Phase of Neutronics Benchmark of the CEFR Reactor Start-Up Test</p>

11:15 AM - 12:15 AM
Room: Alameda 1

Workshop WiN ARCAL: "Time management tools" -

Workshop Lead: *María Leticia Montiel Leguizamón, National University of Asuncion*

Overview: This workshop, addressed to individuals, especially those with care responsibilities, seeks to equip participants with key tools to manage their time. Its objectives are to gain self-knowledge, define goals, and identify the tools and knowledge

needed to attain them. Finally, it provides participants with time management tools to achieve these. This workshop will be conducted in Spanish.

12:45 PM - 13:45 PM **Lunch and Networking** - Room: Reforma

13:45 PM - 15:15 PM **Technical Sessions & Workshops**

Room: Revolución 1	Room: Revolución 2
<p>13:45 PM - 14:30 PM - Panel: “Beyond Technology: Nuclear Law, Environment, and Global Cooperation for Industry Success”</p> <p>Moderator: Sara Maciel Sánchez, Martínez & Maciel Nuclear Law Firm</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Kimberly Sexton Nick, NEA/INLA • Angela Abadia Zapata, Ministry of Mines and Energy Colombia • Amal Elrefaei, IAEA 	<p>13:45 PM - 15:15 PM - Track 1: Energy Transition</p> <p>Moderator: Cecilia Martin del Campo Márquez, UNAM; Ambar Gissel Robles Nuñez, CFE</p> <p>13:45 - 14:05 Guofang Huang and Jun Zhou. Nuclear Heating Empowering the Energy Transition</p> <p>14:05 - 14:25 Ambar G. Robles. Social and Environmental Justice: Pillars of the Energy Transition</p>
<p>14:30 PM - 15:15 PM - Track 6: Energy Planning, Public Acceptance, and Human Resources in the Energy Industry</p> <p>Moderator: Lidia Lauren Elias Hardy, WiN Cuba & WiN ARCAL</p> <p>14:30 - 14:45 Estefania Orcellet and Mercedes Castillo. Tecnopolis exhibition: nuclear energy experience for the entire community</p> <p>14:45 - 15:00 Yaa Anima Opare Appiah and Adjoa Amponfi. Leveraging Advanced Energy Storage for Nuclear Integration: A Pathway to Sustainable Energy Storage in Africa</p>	<p>14:25 - 14:45 Luis Carlos Juárez-Martínez, Alejandría Denisse Pérez-Valseca and Juan Luis François-Lacouture. Implementation of the DWSIM process simulator for thermodynamic analysis of supercritical N2 Brayton cycle for advanced nuclear power plants</p> <p>14:45 - 15:05 Cecilia Martín del Campo Márquez and Pamela Fran Nelson. Exercise in Planning an Energy Transition Scenario with Implementation of Nuclear Energy</p>

13:45 PM - 15:15 AM **Workshop:** “Global Pathways to Nuclear Energy: Crafting Regional Roadmaps” - Room: Alameda 1

Workshop Lead: *Adeline Yuego, WiN Global Young Generation*

Overview: Geared towards young professionals, this session unfolds in interactive phases designed to assist participants in setting priorities for nuclear power adoption while considering regional needs and challenges. Based on the IAEA Milestones approach, this interactive workshop will produce generic African roadmaps towards clean and sustainable energy inspired by global and regional insights with nuclear energy as the focus.

15:15 PM - 15:45 PM

Coffee Break and Networking - Exhibition Foyer

15:45 PM - 16:45 PM

Technical Sessions & Workshops

Room: Revolución 1	Room: Revolución 2
<p>15:45 PM - 16:45 PM - Track 4: Operation, Maintenance, Materials, and New Designs</p> <p>Moderator: Aura Citlali Marín Farfán, CFE</p> <p>15:45 - 16:00 Omar Pérez Parrazal and Pamela Fran Nelson. Probabilistic Risk Assessment of the HVAC Extraction Hoods of a Radioisotope Plant</p> <p>16:00 - 16:15 Liz A. Ambruster Sánchez and Pamela Fran Nelson. Safety Analysis Methodology Development for Multipurpose Nuclear Microreactors.</p> <p>16:15 - 16:30 Orestes Castillo and Pamela F. Nelson. Risk-Informed Design: A New Approach in the Nuclear Industry</p> <p>16:30 - 16:45 Chantal Mujinga, Dieudonné Kabeya, Louis-Félix Kaja, Joseph Kabeya, Alphonse Lubela, Thomas Solo and Dieudonné Kombele. Realization of a Preamplifier coupled at the Scintillation Detector of Iodide of Sodium Crystal.</p>	<p>15:45 PM - 16:45 PM - Track 3: Nuclear Reactor Thermal-Hydraulics</p> <p>Moderator: Luis Carlos Juárez Martínez, UACH; Jesús Jorge Domínguez Alfaro, UAM-I</p> <p>15:45- 16:00 Yosvany Pérez González, Juan Luis François Lacouture and Fabián Luis Mena de la Noval. Hot channel analysis of the NuScale core with ATFs using Computational Fluid Dynamics</p> <p>16:00 - 16:15 Blanca Jessica Ortega Chagoyan, Javier Ortiz Villafuerte, Jorge Viais Juárez, Eduardo Martínez Caballero and Rodolfo Amador García. Development of a Reactor Building model of a BWR5 for the calculation of on-site and off-site fission product masses with the MAAP5 code.</p> <p>16:15 - 16:30 Blanca Jessica Ortega Chagoyan, Javier Ortiz Villafuerte, Jorge Viais Juárez. Development of a BWR5 Reactor Building model for on-site and off-site dose calculations with MAAP5-DOSE.</p> <p>16:30 - 16:45 Erick Josue Yescas Pozos, Gilberto Espinosa Paredes and Alejandría Denisse Pérez Valseca. Multiphysics and multiscale analysis of HTR-10 reactor</p> <p>16:45 - 17:00 Alejandría Denisse Pérez-Valseca and Rodolfo Vázquez-Rodríguez. Unprotected Transients Simulations of a Liquid Metal-cooled Fast Reactor</p>

17:00 PM - 20:00 PM

WiN ARCAL Assembly (conducted in Spanish) - Room: Revolución 2

18:00 PM - 20:00 PM

Mexican Nuclear Society (SNM) Assembly (conducted in Spanish / Hybrid)) - Room: Revolución 1

October 30 Day 3: Empowering the next generation

08:00 AM - 08:45 AM **Keynote Plenary: "Building a Sustainable Clean Energy Workforce for the Future" - Room: Revolución**

Speakers will address the challenges and opportunities of developing a skilled and diverse workforce to meet the nuclear industry's demands in the coming decades. The session will focus on strategies to inspire and equip the current and next generation of clean energy professionals.

Moderator: *Raquel Heredia Silva, World Nuclear Association*

Speakers:

- *Eva Gyane, WiN Global*
- *Morgan Packer, NEA*
- *Hind Abdulla Saeed Alnaqbi, ENEC*
- *Jeanne Ruppelius, NAYGN*
- *Rula Sabat, IAEA (Virtual)*

08:45 AM - 10:15 AM **Mentorship activity led by NEA (Coordinator: Morgan Packer) - "Empower & Elevate: Collaborative Mentorship for Gender Equality, Diversity, and Inclusion in the Nuclear Sector" - Room: Revolución**

10:15 AM - 10:30 AM **Coffee Break and Networking** - Exhibition Foyer

10:30 AM - 12:15 PM **Technical Sessions & Workshops**

Room: Revolución

10:30 AM - 11:30 AM - Track 8: Gender Equality, Diversity, and Inclusion

Moderator: Georgia Rothe, WiN Argentina & WiN ARCAL

Amanda Kamprororo. Bridging the gap: Fostering gender equality and inclusion in the energy sector – a case study of the Atomic Energy Council of Uganda

Eleonaivys Parsons Lafargue and Berta García Rodríguez. WIN-Cuba, a network to make visible the role of Cuban women in the nuclear sector in Cuba

Rosa Elena Navarro Martinez. Establishment of the Women in Nuclear Chapter in Costa Rica: A Strategy to Promote Empowerment and Gender Equality in Nuclear Science and Technology

Georgia Joana, Ana Gabryele Santos, Karoline Suzart, Telma Fonseca, Camila Engler, Gleice Germano, Priscila Rodrigues, Ana Paula Artaxo, Anna Leticia Sousa, Nicea Barreto, Mercia Assis, Ketrin Souza and Isolda Costa. Advancing in Gender Equality and the Empowerment of Girls in Brazil

Geraldine Okoye and Chinelo Chukwurah. Women educating nations: The role of grassroots women’s nuclear education in national nuclear strategy

Adeline Yuego Nguiffo, Miriam Naa Yartey Y., Geraldine Nneka Okoye and Heba F. Elkomey. Advocacy Driving Women’s Impact in Non-Proliferation

Jessica Burniske Nuclear Security Women (NSW)

11:30 AM - 12:15 PM - Panel: “Pioneering Innovation: Women Leading the Future of Radiopharmaceuticals at LaNIDER”

Moderator: Lina Celis del Angel Centeno, ININ

Speakers:

- Guillermina Ferro Flores (Leader)
- Clara Leticia Santos Cuevas
- Erika Patricia Azorín Vega
- Nallely Patricia Jiménez Mancilla
- Myrna Alejandra Luna Gutiérrez
- Blanca Elí Ocampo García

10:30 AM - 12:15 PM **Workshop:** “COP (a)LARP atomic Live Action Role Play” - Room: Alameda 1

Workshop Lead: *Veeshesh Sunassy, Nuclear 4 Climate*

Overview: A Day at COP workshop is an experience based on the Role Play Game idea where participants “level up” skills covering “stats” like engagement with climate-focused audiences, interaction with high-level politicians and media, and leading and contributing to official UN side events. The workshop addresses elements like climate research and politics, media training, and science communication in a fun and engaging way.

12:15 PM - 13:15 PM **Lunch and Networking** - Room: Reforma

13:15 AM - 14:20 PM **Technical Sessions & Workshops**

Room: Revolución

13:15 PM - 14:20 PM - Round table: “Bridging Generations: Wisdom from Nuclear Pioneers to the Leaders of Tomorrow”

Moderator: Oziel Rojas Ávila, SNM

Speakers:

- Brian Gálvez González & Ana P. León, AJENM
- Magdalena Gris Cruz
- Candido Perea Álvarez

14:20 PM - 15:10 PM Tradeshow conference sponsors - Room: Revolución

15:10 PM - 16:20 PM Awards Ceremony - Room: Revolución

- WiN Global Awards - Ceremony master: *Khadija Bendam, WiN Global*
 - *Excellence - Awardee: Amira Zaouak*
 - *Honorary - Awardee: Aliya Akzholova*
 - *Nuclear Future - Awardee: Adeline Yuego Nguiffo*
 - *Innovative leadership - Awardee: Muzna Assi*
- Conference Awards - Ceremony master: *Melina Belinco, WiN Global & Chair / Fabián Barrios, Chair / Raquel Heredia, Chair*
 - Best paper
 - Best poster

16:20 PM - 16:25 PM Changemaker acknowledgement - Room: Revolución

16:25 PM - 16:45 PM **Coffee Break and Networking** - Exhibition Foyer

16:45 PM - 17:30 PM **Keynote Plenary: "The Future of Nuclear Energy: Challenges and Opportunities ahead"** - Room: Revolución

In the closing plenary, experts will provide a forward-looking perspective on the nuclear industry's key challenges and opportunities. The discussion will explore regulatory, technological, and societal factors that will shape the future of nuclear energy.

Moderator: Pamela Nelson, Mexican National Autonomous University (UNAM)

Speakers:

- *Javier Palacios, ININ*
- *Amparo Soler, Nfoque Advisory Service*
- *Hasna Alblooshi, ENEC*
- *Lindsey Gehrig, PNNL*
- *Asmik Kosian, Rosatom Latam*

17:30 PM - 18:00 PM Closing Ceremony - Room: Revolución

- *Melina Belinco, WiN Global & Chair / Alejandro Núñez, SNM & CNSNS / Fabián Barrios, Chair / Raquel Heredia, Chair*

20:00 PM - 24:00 PM **Gala Dinner** - Room: Juárez