

IYNC2024 PROGRAMME



29 September – 4 October 2024

Organized by the International Youth Nuclear Congress
in collaboration with the Barakah Youth Council and in
cooperation with the International Atomic Energy Agency

Abu Dhabi National Exhibition Center
Abu Dhabi, United Arab Emirates

IYNC Secretariat:

General Co-Chairs:

K. Madden, President, International Youth Nuclear Congress

A. Al Nuaimi, President, Barakah Youth Council

Programme Committee:

K. Abbott, Co-Technical Programme Chair, International Youth Nuclear Congress, United States of America

M. Ait Said, YGN Liaison Officer, International Youth Nuclear Congress, Morocco

A. Al Blooshi, Barakah Youth Council, United Arab Emirates

M. Al Blooshi, Vice-President, Barakah Youth Council, United Arab Emirates

R. Al Blooshi, Barakah Youth Council, United Arab Emirates

M. Al Darmaki, Barakah Youth Council, United Arab Emirates

M. Al Dhanhani, Local IYNC2024 Team, United Arab Emirates

K. Al Hashmi, Registration Co-Chair, Local IYNC2024 Team, United Arab Emirates

S. Al Jneibi, Local IYNC2024 Team, United Arab Emirates

S. Al Kalbani, Local IYNC2024 Team, United Arab Emirates

S. Al Khanbashi, Local IYNC2024 Team, United Arab Emirates

M. Al Mansoor, Local IYNC2024 Team, United Arab Emirates

H. Al Qayoudi, Local IYNC2024 Team, United Arab Emirates

R. Al Sereidi, Barakah Youth Council, United Arab Emirates

M.A. Al Shehhi, Local IYNC2024 Team, United Arab Emirates

M. Al Suwaidi, Registration Co-Chair, Local IYNC2024 Team, United Arab Emirates

A. Al Yammahi, Barakah Youth Council, United Arab Emirates

K. Al Zaabi, Barakah Youth Council, United Arab Emirates

R. Al Zeyoudi, Local IYNC2024 Team, United Arab Emirates

L. Andriolio, Immediate Past President, International Youth Nuclear Congress, France

J. Barndon, Panel Sessions Chair, International Youth Nuclear Congress, Canada/Australia

A. Cartas, Co-Technical Programme Chair, International Youth Nuclear Congress, Austria

A. Cunha da Silva, Professional Development Officer, International Youth Nuclear Congress, Brazil/Spain

D. Dong, Workshop Chair, International Youth Nuclear Congress, People's Republic of China

D. Ermakova, Innovation Officer, International Youth Nuclear Congress, Kazakhstan/United States of America

A. Fern, Strategic Advisory Officer, International Youth Nuclear Congress, United States of America

A. Gladtsin, Webmaster, International Youth Nuclear Congress, Russian Federation

K. Green, Plenary & Keynote Sessions Chair, International Youth Nuclear Congress, United States of America

J. Hussain, Local IYNC2024 Team, United Arab Emirates

M. Jain, Sponsorship Co-Chair, Local IYNC2024 Team, United Arab Emirates

N. Joseph Kardoush, Emirates Nuclear Energy Corporation, United Arab Emirates

E. Lamaitre, Mentoring Chair, International Youth Nuclear Congress, France



A. Martin, Speaker Registration Chair, International Youth Nuclear Congress, Austria/United States of America

L. McManniman, International Organizations Chair, International Youth Nuclear Congress, United Kingdom/United States of America

S. Naser Mohamed Somer, Emirates Nuclear Energy Corporation, United Arab Emirates

S. Mohammad, Local IYNC2024 Team, United Arab Emirates

T. Romming, Executive Secretary, International Youth Nuclear Congress, Germany

A. Sadiq Aliyu, Technical Tracks Chair, International Youth Nuclear Congress, Nigeria

O. Spoyalov, Communications Officer, International Youth Nuclear Congress, Germany

M. Sultanov, International Communications & External Relations Chair, International Youth Nuclear Congress, Russian Federation

T.Y. Wang, Treasurer, International Youth Nuclear Congress, Taiwan, China

K. Yoshinaga, Corporate Sponsorship Chair, International Youth Nuclear Congress, Japan

International Atomic Energy Agency Coordinators:

M. Brandstetter-Schmied, Department of Nuclear Energy, International Atomic Energy Agency

N. El-Naj, Department of Nuclear Sciences and Applications, International Atomic Energy Agency

K. Madden, Department of Safeguards, International Atomic Energy Agency

Location of the Event:

Abu Dhabi National Exhibition Center
Al Khaleej Al Arabi St
Al Rawdah - Al Ma'arid
Abu Dhabi, United Arab Emirates



Working Language: English



IYNC2024 Mobile Conference Application

Participants are encouraged to download the IYNC2024 Conference Application, Whova. The App is available on Google Play and the Apple App Store.

The features and functions of the App for smartphones and tablets will be used for various purposes during the event, including:

- View an up-to-date programme
- Check the floor map or sessions and exhibitions
- Read abstracts and full papers of speakers
- Participate in voting during sessions
- Raise questions to speakers during sessions
- Send messages to other participants
- Receive announcements via push-notification

If you have questions or require assistance on the App, please contact the Registration Desk.

TIMETABLE

Sunday, 29 September 2024

| Time | Session Title/Break | Venue |
|----------------------|--|----------------------|
| 12:00 – 15:30 | Registration | ADNEC |
| 10:00 – 15:00 | IYNC Board of Directors' Meeting <i>Invited Participants Only</i> | ADNEC |
| 15:00 – 19:00 | IYNC Games: The Louvre Abu Dhabi <i>Meet at ADNEC for transportation to venue</i> | The Louvre Abu Dhabi |
| 19:00 – 21:00 | IYNC Games: Dinner | ADNEC |
| 19:00 – 22:00 | WANO BGM: Dinner <i>Invited Participants Only</i> | TBD |

TIMETABLE

Monday, 30 September 2024

| Time | Session Title/Break | Venue |
|----------------------|--|--------------|
| 09:00 – 11:00 | Registration | ADNEC |
| 10:30 – 11:00 | Opening Session | ADNEC |
| 11:00 – 12:00 | Keynote Session | ADNEC |
| 12:00 – 13:00 | Plenary 1: Climate Resilience through Nuclear Science | ADNEC |
| 13:00 – 14:00 | Lunch | ADNEC |
| 14:00 – 14:15 | Keynote Session: Sustainability within the Nuclear Fuel Cycle | ADNEC |
| 14:15 – 15:15 | Plenary 2: Sustainability within the Nuclear Fuel Cycle | ADNEC |
| 15:15 – 15:45 | Coffee Break | ADNEC |
| 15:45 – 16:00 | Keynote Session: Harnessing Nuclear Science and Technology Beyond Power Generation | ADNEC |
| 16:00 – 17:00 | Plenary 3: Harnessing Nuclear Science and Technology Beyond Power Generation | ADNEC |
| 17:00 – 17:30 | Congress Reflections | ADNEC |
| 17:30 – 19:00 | IYNC2024 Opening Reception | ADNEC |
| 19:00 – 22:00 | IYNC Board of Directors' Meeting <i>By Invitation Only</i> | ADNEC |

TIMETABLE

Tuesday, 1 October 2024

| Time | Session Title/Break | Venue |
|----------------------|---|----------------------------------|
| 08:00 – 10:00 | Registration | ADNEC |
| 09:00 – 09:30 | Keynote Session: A Fireside Chat on Global Collaboration and Innovation for Sustainable Nuclear Communities | ADNEC |
| 09:30 – 10:30 | Plenary 4: Towards Sustainable Nuclear Communities | ADNEC |
| 10:30 – 11:00 | Coffee Break | ADNEC |
| 11:00 – 13:00 | Technical Session: Oral Presentations | ADNEC |
| 13:00 – 14:00 | Lunch | ADNEC |
| 14:00 – 16:00 | Technical Session: Workshops & Panel Sessions | ADNEC |
| 14:00 – 16:00 | IYNC Network: Country, Observer & Regional YGN Reports | ADNEC |
| 16:00 – 16:30 | Commute | - |
| 16:30 – 18:30 | Cultural Event: Sheikh Zayed Grand Mosque Center <i>Transportation provided from ADNEC</i> | Sheikh Zayed Grand Mosque Center |

TIMETABLE

Wednesday, 2 October 2024

| Time | Session Title/Break | Venue |
|----------------------|--|--------------|
| 08:00 – 10:00 | Registration | ADNEC |
| 09:00 – 09:30 | Keynote Session: Designing for Innovation: A Fireside Chat on the Evolution of IAEA Safeguards | ADNEC |
| 09:30 – 10:30 | Plenary 5: Emerging Markets & Applications | ADNEC |
| 10:30 – 11:00 | Coffee Break | ADNEC |
| 11:00 – 13:00 | Technical Session: Oral Presentations | ADNEC |
| 13:00 – 14:00 | Lunch | ADNEC |
| 14:00 – 16:00 | Technical Session: Workshops & Panel Sessions | ADNEC |
| 14:00 – 16:00 | IYNC Network: Strategy Committee Meeting | ADNEC |
| 16:00 – 16:30 | Coffee Break | ADNEC |
| 16:30 – 17:00 | Congress Reflections | ADNEC |
| 17:00 – 19:00 | Connect & Catalyze Reception | ADNEC |
| 19:00 – 22:00 | IYNC Board of Directors' Meeting <i>By Invitation Only</i> | ANDEC |

TIMETABLE

Thursday, 3 October 2024

| Time | Session Title/Break | Venue |
|----------------------|--|--------------|
| 08:00 – 10:00 | Registration | ADNEC |
| 09:00 – 09:30 | Keynote Session: Navigating Innovation: A Fireside Chat on Strategic Investments and Sustainable Futures | ADNEC |
| 09:30 – 10:30 | Plenary 6: Financing Good Projects | ADNEC |
| 10:30 – 11:00 | Coffee Break | ADNEC |
| 11:00 – 13:00 | Technical Program: Workshops & Panel Sessions | ADNEC |
| 13:00 – 14:00 | Lunch | ADNEC |
| 14:00 – 16:00 | Technical Program: Workshops & Panel Sessions | ADNEC |
| 14:00 – 16:00 | Global Innovation4Nuclear Competition | ADNEC |
| 16:30 – 23:00 | Closing Ceremony: Desert Safari | - |

TIMETABLE

Friday 4, October 2024

| Time | Session Title/Break | Venue |
|----------------------|--------------------------------------|----------------------|
| 08:00 – 09:00 | Registration | ADNEC |
| 09:00 – 10:00 | Plenary 7: Youth Powering the Future | ADNEC |
| 10:00 – 11:15 | Awards Ceremony | ADNEC |
| 11:15 – 12:00 | Closing: Keynote Session | ADNEC |
| 14:00 – 17:00 | Technical Tours | FANR Laboratories |

TIMETABLE

Saturday, 5 October 2024

| Time | Session Title/Break | Venue |
|----------------------|----------------------------|---|
| 08:00 – 17:00 | Technical Tours | Barakah Nuclear Power Plant Sheikh Shakhboub Medical City Technology Innovation Institute |

IYNC2024

DETAILED SCHEDULE



IYNC2024

DETAILED SCHEDULE

Sunday, 29 September 2024





Sunday, 29 September 2024

10:00 – 15:00 IYNC Board of Directors' Meeting

The annual IYNC Board of Directors' meeting is open to Members of the Board and invited Observers.

| Name | Organization | Title |
|--|--|------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |

Sunday, 29 September 2024

15:00 – 19:00 IYNC Games: The Louvre Abu Dhabi

The IYNC Games offer a unique opportunity to immerse yourself in the local culture before the conference begins. Engage in fun, interactive activities that connect you with the host city's traditions and vibrant community while networking with fellow attendees.

| Name | Organization | Title |
|--|--|---------------------------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Abdulla Al Nuaimi <i>Session Manager</i> | Barakah Youth Council, United Arab Emirates IYNC2024 | President General Co-Chair |

Sunday, 29 September 2024

19:00 – 21:00 IYNC Games: Dinner

The IYNC Games offer a unique opportunity to immerse yourself in the local culture before the conference begins. Engage in fun, interactive activities that connect you with the host city's traditions and vibrant community while networking with fellow attendees.

| Name | Organization | Title |
|--|--|---------------------------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Abdulla Al Nuaimi <i>Session Manager</i> | Barakah Youth Council, United Arab Emirates IYNC2024 | President General Co-Chair |

Sunday, 29 September 2024

19:00 – 22:00 WANO BGM: Dinner

This event is by invitation only.

| Name | Organization | Title |
|--|--|------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |
| Abdulla Al Nuaimi <i>Session Manager</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |

IYNC2024

DETAILED SCHEDULE

Monday, 30 September 2024



Monday, 30 September 2024

10:30 – 11:00 Opening Session

The opening session launches the conference, bringing together young professionals and senior executives to introduce the event and set the stage for discussions around the theme, Youth Powering the Future.

| Name | Organization | Title |
|--|--|------------------|
| Kristine Madden <i>Opening Address</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |
| Abdulla Al Nuaimi <i>Opening Address</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |
| H.E. Sultan Al Neyadi (TBC) <i>Keynote Address</i> | Ministry of Culture & Youth, United Arab Emirates | Minster of Youth |

Monday, 30 September 2024

11:00 – 12:00 **Keynote Session**

Co-Managers: Abdulla Al Nuaimi, President, Barakah Youth Council and General Co-Chair, IYNC2024 & Kristine Madden, President International Youth Nuclear Congress and General Co-Chair, IYNC2024

This keynote session features prominent leaders delivering impactful messages and offering deeper insights into how the next generation can innovate and lead the future of the industry.

| Name | Organization | Title |
|--|---|---|
| Rafael Mariano Grossi <i>Keynote Address</i> | International Atomic Energy Agency | Director General |
| Mohamed Al Hammadi <i>Keynote Address</i> | Emirates Nuclear Energy Corporation, United Arab Emirates | Managing Director and Chief Executive Officer |
| Felix Vega <i>Keynote Address</i> | Technology Innovation Institute, United Arab Emirates | Executive Director, Directed Energy Research Center |
| Rita Baranwal <i>Keynote Address</i> | Westinghouse, United States of America | Senior Vice President |

Monday, 30 September 2024

12:00 – 13:00 Plenary 1: Climate Resilience through Nuclear Science

This plenary explores the transformative potential of nuclear science in enhancing climate resilience. Experts will explore how nuclear technology is being utilized to mitigate climate change impacts, from low-carbon energy solutions to innovative techniques in agriculture and water management.

| Name | Organization | Title |
|---|--|---|
| Meera Al Muhairi <i>Moderator</i> | Federal Authority for Nuclear Regulation, United Arab Emirates | Specialist, Inspection |
| Enobot Agboraw <i>Speaker</i> | African Commission on Nuclear Energy, South Africa | Executive Director |
| Muna Al Suwaidi <i>Speaker</i> | International Youth Nuclear Congress, United Arab Emirates | Climate Change Officer |
| Miriam Diaz <i>Speaker</i> | Jovenes Nucleares, Spain | Communications & Multimedia Content Coordinator |
| Ryota Taniguchi <i>Speaker</i> | International Energy Agency | Junior Policy Analyst |
| Yi Zhang <i>Speaker</i> | China National Nuclear Corporation, People’s Republic of China | Vice President, CNNC Middle East |

Monday, 30 September 2024

14:00 – 14:15 Keynote Session: Sustainability within the NFC

This keynote session delves into the vital importance of sustainability within the nuclear fuel cycle (NFC), covering both fission and fusion technologies, providing key insights on innovative approaches to minimizing environmental impact, improving resource efficiency, and securing the long-term future of nuclear energy.

| Name | Organization | Title |
|---|---|---|
| Dinara Ermakova <i>Session Chair</i> | International Youth Nuclear Congress, Kazakhstan/United States of America | Innovation Officer |
| Mikhail Chudakov <i>Keynote Address</i> | International Atomic Energy Agency | Deputy Director General and Head of the Department of Nuclear Energy |

Monday, 30 September 2024

14:15 – 15:15 Plenary 2: Sustainability within the NFC

This plenary explores the critical role of sustainability within the nuclear fuel cycle, encompassing both fission and fusion technologies, in this insightful plenary session. Experts will discuss innovative strategies for reducing environmental impact, enhancing resource efficiency, and ensuring the long-term viability of nuclear energy.

| Name | Organization | Title |
|---|---|---|
| Dinara Ermakova <i>Moderator</i> | International Youth Nuclear Congress, Kazakhstan/United States of America | Innovation Officer |
| Elsa Lemaitre <i>Speaker</i> | Andra, France | Systems Integration Director, Cigeo Operational Project |
| Winfred Ndubai <i>Speaker</i> | Nuclear Power and Energy Agency, Kenya | Director, Strategy & Planning |
| Henry Preston <i>Speaker</i> | World Nuclear Association, United Kingdom | Communications Manager |
| Louie Swallow <i>Speaker</i> | URENCO Global, United Kingdom | Market Intelligence Analyst |
| Sehila Gonzalez de Vicente <i>Speaker</i> | Clean Air Task Force, United States of America | Global Director, Fusion Energy |

Monday, 30 September 2024

15:45 – 16:00 Keynote Session: Harnessing Nuclear Science: Innovations Beyond Nuclear Power

This keynote session explores the wide-ranging innovations of nuclear science outside of power generation including pioneering advancements in medicine, agriculture, and environmental management, demonstrating how nuclear technology is transforming these fields and addressing key global challenges.

| Name | Organization | Title |
|--|---|---|
| Lena Andriolo <i>Session Chair</i> | International Youth Nuclear Congress, France | Immediate Past President |
| Najat Mokhtar <i>Keynote Address</i> | International Atomic Energy Agency | Deputy Director General and Head of Nuclear Sciences and Applications |

Monday, 30 September 2024

16:00 – 17:00 Plenary 3: Harnessing Nuclear Science: Innovations Beyond Nuclear Power

This keynote session explores the wide-ranging innovations of nuclear science outside of power generation, showcasing how nuclear technology is transforming these fields and addressing key global challenges.

| Name | Organization | Title |
|--|--|-----------------------------------|
| Lena Andriolo <i>Moderator</i> | International Youth Nuclear Congress, France | Immediate Past President |
| Samuel Boakye Dampare <i>Speaker</i> | Ghana Atomic Energy Commission, Ghana | Executive Director |
| Estiner Katengeza <i>Speaker</i> | Malawi University of Business and Applied Sciences, Malawi | Lecturer |
| Bo Liu <i>Speaker</i> | International Atomic Energy Agency | Technical Officer |
| Brenda Trust <i>Speaker</i> | Plymouth University, United Kingdom/Uganda & IAEA Marie Curie Fellow | PhD Candidate, Physical Geography |



Monday, 30 September 2024

17:00 – 17:30 Congress Reflections

*This session introduces the inaugural **IYNC Global Youth Statement**, a bold and forward-looking call to action created by young leaders, urging the industry to take decisive steps for a sustainable future. Join us to explore how collaboration between generations can lead to meaningful and lasting impact.*

| Name | Organization | Title |
|--|--|------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |

Monday, 30 September 2024

17:30 – 19:00 Opening Reception

*This gathering is designed to foster connections, spark ideas, and set the tone for the days ahead. In addition to the opportunity to meet fellow attendees, the event will feature a **speed mentoring session**, where participants will have the chance to engage in focused conversations with industry leaders and experts. Whether you're seeking advice, new perspectives, or valuable networking opportunities, this session promises to be an inspiring and dynamic start to the conference!*

| Name | Organization | Title |
|--|---|------------------|
| Abdulla Al Nuaimi <i>Session Manager</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |
| Elsa Lemaitre <i>Session Manager</i> | IYNC2024 | Mentoring Chair |



Monday, 30 September 2024

19:00 – 22:00 IYNC Board of Directors' Meeting

The annual IYNC Board of Directors' meeting is open to Members of the Board and invited Observers.

| Name | Organization | Title |
|--|--|---------------------------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |

IYNC2024

DETAILED SCHEDULE

Tuesday, 1 October 2024



Tuesday, 1 October 2024

09:00 – 09:30 Keynote Session: A Fireside Chat on Global Collaboration and Innovation for Sustainable Nuclear Communities

This keynote session emphasizes the crucial role of global collaboration and innovation in fostering sustainable nuclear communities through addressing how international cooperation and cutting-edge advancements can drive the development of safe, efficient, and resilient nuclear systems.

| Name | Organization | Title |
|---|--|---|
| Andrew Cartas <i>Moderator</i> | International Youth Nuclear Congress, Austria/United States of America | Co-Chair, Technical Programme, IYNC2024 |
| Aleshia Duncan <i>Speaker</i> | Office of Nuclear Energy, Department of Energy, United States of America | Deputy Assistant Secretary, International Cooperation |
| Hideki Masui <i>Speaker</i> | Japan Atomic Industrial Forum, Japan | President |
| Sehila Gonzalez de Vicente <i>Speaker</i> | Clean Air Task Force, United States of America | Chief Executive Officer |

Tuesday, 1 October 2024

09:30 – 10:30 Plenary 4: Towards Sustainable Nuclear Communities

This dynamic plenary session takes you on a journey towards building sustainable nuclear communities. Explore the intersection of commercialization, community consensus, historical lessons, and IAEA safeguards as experts discuss how innovative practices—guided by past insights—promote sustainable development and secure community support for nuclear initiatives.

| Name | Organization | Title |
|--|---|--|
| Khaled AlHashmi <i>Moderator</i> | Barakah Youth Council, United Arab Emirates | Registration Co-Chair, IYNC2024 |
| Mosatiwa Rasweswe <i>Speaker</i> | International Atomic Energy Agency | Director, Operations, Department of Safeguards |
| Lenka Kollar <i>Speaker</i> | Helixos, Australia | Co-Founder |
| Hideki Masui <i>Speaker</i> | Japan Atomic Industrial Forum, Japan | President |
| Hanane Zajly <i>Speaker</i> | Nawah Energy Company, United Arab Emirates | Vice President, Talent Management |

Tuesday, 1 October 2024

11:00 – 13:00 Technical Session 1: Nuclear Power Plants – Design, Operation, Maintenance & Digitalization

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|--|---|
| Mark Gino Aliperio, Philippines <i>Speaker</i> | Risk Exposure for the Proposed Rehabilitation of Bataan Nuclear Power Plant |
| Belal Almomani, United Arab Emirates <i>Speaker</i> | Early Detection of LLOCA Accident Conditions in GPWR through Machine Learning-Based Inverse Analysis |
| Evgenii Borisiuk, Russian Federation <i>Speaker</i> | Optimization of the Balancing Calculations for Turbine Units |
| Elizaveta Semenyakina, Russian Federation <i>Speaker</i> | Assessment of the Possibilities of Using Mobile Robotic Systems for the Purposes of Non-destructive Testing and Maintenance of Power Plant Components |
| Ilia Komarov, Russian Federation <i>Speaker</i> | A Machine Learning Approach for Temperature Heterogeneity Mitigation in Hot Legs of PWR |
| Jeremiah Mbazor, Nigeria <i>Speaker</i> | Brute Force Parallel Monte Carlo Simulation for Failure Analysis of Large Engineering Systems |
| Jones Lukorito, Kenya <i>Speaker</i> | Harnessing Small Modular Reactors for Sustainable AI: A Future-Proof Solution to the Energy Demands of Advanced Computing |

**Diksha Sharma, United
Kingdom**

Speaker

Technical Expertise and Innovations in the Defueling
Program for Advanced Gas cooled Reactor: Strategies for
Optimization, Reliability, and Safety

Tuesday, 1 October 2024

11:00 – 13:00 Technical Session 2: Policy, Economic & Social Aspects of Nuclear Technology Deployment

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|--|--|
| Abdulmajeed Ibrahim, Nigeria <i>Speaker</i> | Energy Access Challenges in Africa and the Contribution of Nuclear Energy to Electricity Generation, Industrial Growth, Economic Advancement, and Environmental Sustainability |
| Nataliia Aksenova, Russian Federation <i>Speaker</i> | Legal Regulation of New Nuclear Technologies |
| Elizaveta Semenyakina, Russian Federation <i>Speaker</i> | Nuclear Desalination in the Middle East and North Africa: Finding an Optimal Combination between Nuclear Power Plants and Desalination Technologies |
| Jeremiah Mbazor, Nigeria <i>Speaker</i> | Financial Considerations and Suitability of Combined Nuclear and Renewables Deployment in Nigeria |
| Lucas Javier Fernandez de Losada, Italy <i>Speaker</i> | Assessment of the Lifecycle Cost of Nuclear-Grade Coolants for Advanced Nuclear Reactors |
| Valeriia Skliarenko, Italy <i>Speaker</i> | Nuclear Business: Transition from “Projects” to a “Program” leveraging an Ecosystem Approach |
| Jake Barndon, Canada <i>Speaker</i> | Navigating Regulatory and Impact Assessment Challenges in the Canadian Nuclear Industry |

**Phoebe Lind, United States
of America**

Speaker

Leveraging Fossil Fuel Construction Techniques for
Deployment of SMRs

Tuesday, 1 October 2024

11:00 – 13:00 Technical Session 3: Nuclear Physics, Neutronics & Reactor Physics; Thermodynamics; and Nuclear & Structural Materials

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|--|---|
| Feride Kutbay, Türkiye <i>Speaker</i> | Preliminary Performance Analysis of Full-Scale Model of the Thorium-Fueled High-Temperature Gas-Cooled Micro-Reactor |
| Juan Jose Gomez Rodriguez, Italy <i>Speaker</i> | Validation of the AKR-2 Reactor Simplified Model: A Deep Analysis of the Pile Oscillator Experiment |
| Dmitriy Menyuk, Russian Federation <i>Speaker</i> | Analysis of a Severe Accident caused by a Complete Long-Term Blackout of a Power Unit, using the example of a WWER-1000 V-302 Reactor Unit (Small Series) |
| Danyshpan Mukhambetalin, Russian Federation <i>Speaker</i> | Thermal-hydraulic Calculation of IBR-2M Pulsed Reactor Fuel Assembly |
| Gustavo Pereira, Brazil <i>Speaker</i> | A Three-Region Rewetting Analysis of a PWR Fuel Slab using an Improved Lumped Model |
| Feride Kutbay, Türkiye <i>Speaker</i> | Heat Transfer Correlation Development for High-Temperature Gas-Cooled Micro-Reactor Design with Graphite Blocks |

Marek Adamech, Slovakia
Speaker

Assessment of the Pressurizer Materials from
Decommissioned V1 NPP to LTO Support on VVER Type
Units

Tuesday, 1 October 2024

11:00 – 13:00 Technical Session 4: Nuclear Safety, Security, Safeguards and Radiation Protection

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|--|---|
| Ini Godwin, Nigeria <i>Speaker</i> | Measurement of Radioactivity and Radionuclides Contamination around Barkin Ladi and Jos North Mines, Plateau State, Nigeria: Health Impact |
| Linnet Nyamweya, Kenya <i>Speaker</i> | Assessment of Excess Lifetime Cancer Risk and Risk of Cancer associated with Soapstone Quarrying Activities in Kenya |
| Pavel Aksenov, Türkiye <i>Speaker</i> | Main Criteria for Level 2 Probabilistic Safety Assessment for Nuclear Power Plants to be built in Türkiye |
| Tebogo Kupi, South Africa <i>Speaker</i> | Lead Isotopic Ratios Analysis of Uranium Samples for Nuclear Forensic purpose using NexIon 2000 ICP-MS |
| Yoshiharu Kitayama, Japan <i>Speaker</i> | 4 Pi Gamma-Ray Imaging with Coded Cube Camera for Gamma-Ray |
| Victoria Zaripova, Russian Federation <i>Speaker</i> | Justification for Modernization of the Emergency and Planned Low-Pressure Cooldown System using Probabilistic Safety Analysis for the First Power Unit of the Kalinin NPP |
| Suleiman Bello, Nigeria <i>Speaker</i> | Simulation of Radiobiological Impacts of Defunct Uranium Mining to Non-Human Biota in Nigeria |

**Noha Nassar, United Arab
Emirates**

Impact of Nuclear Power Plants and Natural Radionuclides
On the Marine Environment

Owen LeGrone, IAEA

Space-Based Remote Sensing for International Nuclear
Safeguards: Present and Future

Tuesday, 1 October 2024

11:00 – 13:00 Technical Session 5: Nuclear Safety, Security & Safeguards; Radiation Protection; Waste Management; and Decommissioning

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|---|--|
| Kamila Khuzhazhinova, Kazakhstan <i>Speaker</i> | Enhancing Nuclear Security: Comparative Analysis of International and National Approaches in Developing Countries – A Case Study of Kazakhstan |
| Dennis Rodriguez, Honduras <i>Speaker</i> | Design of a Radiological Shielding Calculation Methodology for Medical X-Ray Imaging Facilities to be implemented by the National Regulatory Authority of Honduras |
| Daniel Hackl, Austria <i>Speaker</i> | Evolution of Safety Concepts in Pressurized Water Reactors |
| Rizal Alfariji, Indonesia <i>Speaker</i> | Blockchain for Material Management in Indonesian Nuclear Facilities: Preliminary Study |
| Sui Satomi, Japan <i>Speaker</i> | Study on Water Stoppage of the Openings in the bottom of Primary Containment Vessel in Fukushima Daiichi NPP using Geopolymer |

Tuesday, 1 October 2024

14:00 – 16:00 Workshop 1: Climate Fresk

This workshop offers an engaging, collaborative experience to explore the science behind climate change. In this hands-on session, participants work together to create a visual map of the factors driving climate change, guided by a trained facilitator. The workshop fosters deep understanding, critical thinking, and discussion, empowering attendees with knowledge and practical insights to inspire action for a sustainable future. Suitable for all levels, this workshop is an excellent opportunity to connect, learn, and contribute to meaningful change.

| Name | Organization | Title |
|--|---|--|
| Saikat Das <i>Workshop Manager</i> | YOUNGO, India/United Kingdom | Partnership Coordinator, Energy Working Group |
| | European Young Engineers, India/United Kingdom | Policy Director |

Tuesday, 1 October 2024

14:00 – 16:00 Workshop 2: InnoGames: Igniting Innovation through Interactive Workshops

This immersive innovation workshop is aimed at cultivating a forward-thinking mindset and fostering creativity among participants. Through engaging group activities and discussions, attendees will develop skills for challenging assumptions, embracing diverse perspectives, and reimagining existing paradigms. Led by experienced facilitators, this workshop aims to provide innovative insights that can spark meaningful change within organizations and projects. Join us for a dynamic exploration of innovation and unleash your creative potential!

| Name | Organization | Title |
|--|---|-------------------------------------|
| Alice Cunha da Silva <i>Workshop Manager</i> | International Youth Nuclear Congress, Brazil/Spain | Professional Development Officer |

Tuesday, 1 October 2024

14:00 – 16:00 Workshop 3: Atom's Journey: Exploring Nuclear Energy Through Play

Embark on an interactive journey with Atom's Journey, a captivating game designed to unravel the complexities of the nuclear fuel cycle and power generation principles. Created for post-baccalaureate students and nuclear industry professionals, this game features 37 elemental tiles and 56 counters representing material flows. Lasting approximately two hours, the workshop invites participants to reconstruct the fuel cycle and power plant operations while fostering a collaborative and engaging learning environment. Atom's Journey encourages collective intelligence, allowing players to grasp the nuances of nuclear energy in a participatory manner, without hierarchical knowledge dissemination. Developed by a diverse team under a Creative Commons license, this educational tool aims to demystify nuclear energy and promote informed discussions, making it accessible to all.

| Name | Organization | Title |
|--|---------------------|----------------------------------|
| Clement Laclouere <i>Workshop Co-Manager</i> | Assystem, France | Safety Engineer |
| Benoit Erbacher <i>Workshop Co-Manager</i> | Framatome, France | Chief of Staff |
| Youssef Fargani <i>Workshop Co-Manager</i> | Framatome, France | Deputy Contract Engineer Lead |
| Alexis Rene <i>Workshop Co-Manager</i> | CERAP, France | Head of Operations |

Tuesday, 1 October 2024

14:00 – 16:00 Workshop 4: Global Pathways to Nuclear Energy: Crafting Regional Roadmaps

This workshop explores the journey toward nuclear energy production, aiming to develop tailored roadmaps that address regional specificities worldwide. Geared towards young professionals, this session unfolds in interactive phases designed to deepen understanding of nuclear energy's role in sustainable development. The "Why" phase educates participants on assessing and reducing carbon footprints. In the "How" phases, attendees identify essential steps and priorities for nuclear power adoption specific to their regions, considering local needs and challenges. The "Who" phase fosters dialogue on potential collaborations among countries, organizations, and international bodies like the IAEA. The workshop concludes with a "Summary" phase, where a generic roadmap inspired by global regional insights is crafted and reviewed. This format encourages active participation and knowledge exchange, ensuring that participants leave with a clear vision of how to advocate for and implement nuclear energy solutions in diverse settings.

| Name | Organization | Title |
|---|--|---|
| Adeline Yuego <i>Workshop Co-Manager</i> | Women in Nuclear Global Young Generation Network, Cameroon | Member |
| Larissa Noudem <i>Workshop Co-Manager</i> | Women in Nuclear Global Young Generation Network, France | Chair |
| Enobot Agboraw <i>Facilitator</i> | African Commission on Nuclear Energy, South Africa | Executive Secretary |
| Aleshia Duncan <i>Facilitator</i> | Office of Nuclear Energy, Department of Energy, United States of America | Deputy Assistant Secretary, International Cooperation |
| Eva Gyane <i>Facilitator</i> | Consultant, Austria | Consultant |

Tuesday, 1 October 2024

14:00 – 16:00 IYNC Network: Country, Observer & Regional YGN Reports

This session presents a comprehensive overview of the status of nuclear science and technology across various countries. It highlights the achievements and challenges faced by the nuclear industry worldwide. The session features reports from Young Generation Networks (YGN), detailing their activities over the past year. These reports showcase initiatives undertaken by young professionals, including educational outreach, public engagement, and technical projects. The session serves as a platform for sharing knowledge, fostering international collaboration, and inspiring future leaders in the nuclear field.

| Name | Organization | Title |
|---|--|---------------------|
| Thomas Romming <i>Session Manager</i> | International Youth Nuclear Congress, Germany | Executive Secretary |

Tuesday, 1 October 2024

16:30 – 18:30 Cultural Event: Sheikh Zayed Grand Mosque Center

Each IYNC conference provides an opportunity to experience the unique heritage of the host city. This year, we will visit the Sheikh Zayed Grand Mosque Center, immersing ourselves in its architectural grandeur and cultural significance.

| Name | Organization | Title |
|---|--|---------------------------------------|
| Kristine Madden <i>Session Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Abdulla Al Nuaimi <i>Session Co-Manager</i> | Barakah Youth Council, United Arab Emirates IYNC2024 | President General Co-Chair |

IYNC2024
DETAILED SCHEDULE
Wednesday, 2 October 2024



Wednesday, 2 October 2024

09:00 – 09:30 Keynote Session: Designing for Innovation: A Fireside Chat on the Evolution of IAEA Safeguards

This insightful fireside chat features a discussion between the Emirates Nuclear Energy Corporation and International Atomic Energy Agency on the effectiveness of safeguards-by-design (SBD) in the UAE. This keynote session will discuss the innovative practices adopted, the positive outcomes achieved, and the broader benefits SBD provides in the implementation of IAEA Safeguards globally.

| Name | Organization | Title |
|--|--|--|
| Kristine Madden <i>Moderator</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |
| Mosatiwa Rasweswe <i>Speaker</i> | International Atomic Energy Agency | Director, Operations, Department of Safeguards |
| TBD <i>Speaker</i> | Emirates Nuclear Energy Corporation, United Arab Emirates | TBD |

Wednesday, 2 October 2024

09:30 – 10:30 Plenary 5: Emerging Markets & Applications

Delve into captivating insights on emerging market applications in this plenary session, where a spectrum of nuclear innovations, from desalination and district heating to pioneering designs like floating nuclear power plants, are highlighted. Navigate through the complex regulatory landscape, unveiling how these technologies are progressing in emerging markets to fulfil crucial needs while ensuring rigorous IAEA Safeguards, security and safety measures.

| Name | Organization | Title |
|---|--|---|
| Alice Cunha Da Silva <i>Moderator</i> | International Youth Nuclear Congress, Brazil/Spain | Professional Development Officer |
| Aleshia Duncan <i>Speaker</i> | Office of Nuclear Energy, Department of Energy, United States of America | Deputy Assistant Secretary, International Cooperation |
| Kristine Madden <i>Speaker</i> | International Atomic Energy Agency | Safeguards Evaluator |
| Khalid Khasawneh <i>Speaker</i> | Jordan Atomic Energy Commission, Jordan | Commissioner for Nuclear Power Reactors |
| Hans Korteweg <i>Speaker</i> | COGEN World Coalition, Belgium COGEN Europe, Belgium | Executive Director Managing Director |
| Federico Puente-Espel <i>Speaker</i> | Prodigy SMR, Canada | Vice President, Technology Implementation |

Wednesday, 2 October 2024

11:00 – 13:00 Technical Session 1: Non-Power Nuclear Applications & Advanced Reactors, SMRs and Fusion Technology

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|---|--|
| Liza Marie Banquerigo, Philippines <i>Speaker</i> | Proton Therapy Dose Distribution Calculations in Pediatric Brain Tumor Patients using Monte Carlo Simulations |
| Damascene Sibomana, Russian Federation <i>Speaker</i> | Improvement of Irradiated Target Design for the Production of Californium-252 with Neutron Spectrum |
| Thiago Augusto de Almeida, Brazil <i>Speaker</i> | Integrating Nuclear Analytical Techniques with Artificial Intelligence for Ore Hardness Characterization: A Principal Component Analysis Study |
| Philip Marinov, Bulgaria <i>Speaker</i> | Effect of Ionizing Radiation generated from Medical Linear Accelerator (LINAC) on the Structure and Function of Biological Species. |
| Mark Bedretdinov, Russian Federation <i>Speaker</i> | Thermal-Hydraulic Calculations for the New Integral Small Modular Reactor VVER-I with Natural Circulation in Primary Circuit |
| Ryan MacLeod, Canada <i>Speaker</i> | Small Modular Reactors and Digital Asset Mining Bitcoin to Maximize the Utility of Nuclear Power Assets |
| Umar Farouk Ahmad, Nigeria | Machine Learning for Enhanced Antineutrino-Based Safeguards in Next-Generation Reactors |

Speaker

Milana Ozerina, Austria

Speaker

Empowering Remote Communities: Small Modular Reactors
for Off-Grid Energy Solutions

Stefan Dos Santos, Canada

Speaker

Navigating the Siting Process for Small Modular Reactors in
the Canadian Nuclear Landscape

Wednesday, 2 October 2024

11:00 – 13:00 Technical Session 2: Economic, Communication, Knowledge Management and YGN Best Practices

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|---|--|
| Jones Lukorito, Kenya/Tanzania <i>Speaker</i> | The Double-Edged Atom: The Dilemmas of Nuclear Energy Financing in the Global South |
| Alexander Phiri, Zambia <i>Speaker</i> | YGN-PZ Career Campaign in High Schools Lusaka,Zambia |
| Evgenii Nikulin, Russian Federation <i>Speaker</i> | The Experience of Rosatom Technical Academy in Nuclear Power Plant Personnel Training |
| Daria Avilova, Russian Federation <i>Speaker</i> | IT Education Practices at the State Atomic Energy Corporation "Rosatom" |
| Amelia Martin, IAEA <i>Speaker</i> | Crossing the Communication Chasm: Communicating Proposed Safeguards Activities to a Non-Expert Audience |
| Abdulsamad Asuku, Nigeria <i>Speaker</i> | Ensuring Sustainable Nuclear Knowledge Management: Insights from Two Decades of Operating Nigeria's Miniature Neutron Source Reactor |
| John Mobley IV, United States of America <i>Speaker</i> | Extended Exploration of Multidisciplinary Student Sentiments in a Nuclear Survey Seminar |

Andrea Kozlowski, United Kingdom

Speaker

European YGNs – Their Work, Achievements, and Updates

Ana González Felgueroso, Spain

Speaker

Jovenes Nucleares, Facing the Changes

Wednesday, 2 October 2024

11:00 – 13:00 Technical Session 3: Thermal Hydraulics and Nuclear Physics, Neutronics & Reactor Physics

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|--|--|
| Abdulsamad Asuku, Nigeria <i>Speaker</i> | Kinetic Parameters Verification of a Typical Miniature Neutron Source Reactor After Conversion from High Enriched Uranium using Scale 6.2.3 Code |
| Karel Týr, Czechia <i>Speaker</i> | Response of a Nuclear Reactor to a Series of Rapid Changes in Reactivity |
| Theo Victor Cavite, Philippines <i>Speaker</i> | Neutron Dose Evaluation via In-115 Activation Foils and Neutron TLDs at the Philippines' Sole Research Reactor |
| Vadim Kuzin, Russian Federation <i>Speaker</i> | VVER 24-Month Cycle and Power Uprate based on Uranium-Erbium Fuel enriched over 5% |
| Mohammad Alrwashdeh, United Arab Emirates <i>Speaker</i> | Neutronics Analysis of Chromium Coating in the Fuel Cladding System of APR 1400 Reactor |
| Gino Natali, Sweden <i>Speaker</i> | Complex Geometry Description for Legacy Lattice Physics Codes using Modern CAD Tools |
| Mohammad Alrwashdeh, United Arab Emirates <i>Speaker</i> | Very Low Soluble-Boron APR-1400 Design Studies using CIMBA Fuel |

**Kseniya Doboni, Russian
Federation**

Speaker

Mathematical Modeling of Thermohydraulic and Chemical Processes of Special Water Treatment and Chemical Water Treatment Systems used in the development of Full-Scale Simulators for Pressurized Water Reactors

Wednesday, 2 October 2024

11:00 – 13:00 Technical Session 4: Nuclear Safety, Security & Safeguards; Radiation Protection; Waste Management; and Decommissioning

This session features oral presentations by young professionals from around the globe, showcasing their research and insights into nuclear science and technology. Attendees will gain exposure to cutting-edge developments and innovative solutions presented by the next generation of experts in the field.

| Name, Country | Paper Title |
|--|--|
| Syeda Saba Batool, Pakistan <i>Speaker</i> | Advancing Nuclear Safety and Security Culture in Pakistan |
| Jibril Musa, Nigeria <i>Speaker</i> | Analysis of Core Damage State of Nigerian Research Reactor-1 (NIRR-1): A Probabilistic Safety Assessment (PSA) |
| Lorenz Fischer, Denmark <i>Speaker</i> | Radiation Shielding Analysis for Spent Fuel Salt in Maritime Environments |
| Robyn Sayles, The Netherlands <i>Speaker</i> | Approach To Creating A Radiological Environmental Monitoring Baseline For A New Build Nuclear Project, case study of the PALLAS reactor, Netherlands |
| Stephen Friday Olukotun, Nigeria <i>Speaker</i> | Nuclear Forensic Science: A Pathway for Preventing Environmental Impact and Associated Risks from Nuclear Wastes |
| Renaldy Bernardo Saragih, Indonesia <i>Speaker</i> | Development Of Computer Systems and Computer Modelling for Planning and Management Of Indonesia's Triga Mark II Reactor Decommissioning |
| Pavel Shorokhov, Russian Federation <i>Speaker</i> | Digital Twins for Fire Safety Systems in the Nuclear Industry |

**Gunjan Indauliya, United
Kingdom**

Speaker

A Methodological Approach for Assessing Neutronic Impact
on Radiological Responses in Irradiated Materials for Waste
Management

Wednesday, 2 October 2024

14:00 – 16:00 Workshop 5: Next-Gen Nuclear: Innovating with Advanced Coolants

Dive into the future of nuclear technology in this engaging workshop that explores the use of non-traditional coolants like liquid metal, helium, and liquid salt in advanced reactors. These innovations promise enhanced safety, economic benefits, and reduced operational costs. The session starts with expert insights on how these technologies address global challenges like the climate crisis and energy distribution. Participants will brainstorm solutions to overcome technical and regulatory challenges, then form groups to develop and defend their reactor designs to a panel of experts. The workshop concludes with the energetic "ROCK-PAPER-NUCLEAR" game, fostering a fun and dynamic learning environment.

| Name | Organization | Title |
|---|---|-----------------------|
| Okan Yildiz <i>Workshop Manager</i> | Nuclear Industry Association of Türkiye, Türkiye | Nuclear Energy Expert |

Wednesday, 2 October 2024

14:00 – 16:00 Workshop 6: Fundamentals of PRA: A Workshop on Nuclear Risk Management

This workshop offers an introduction to Probabilistic Risk Assessment (PRA) for professionals looking to enhance nuclear safety. Participants will gain a solid understanding of PRA principles, explore key methodologies, and learn how to apply PRA to improve safety measures and regulatory compliance. The workshop includes interactive sessions where participants will engage in PRA exercises, evaluate risk scenarios, and create risk-informed safety strategies. Additionally, it will cover the practical use of PRA in different areas of nuclear operations, providing a comprehensive foundation for applying these techniques in real-world contexts.

| Name | Organization | Title |
|---|---------------------|--|
| Sara Dara <i>Workshop Manager</i> | Kinectrics, Canada | Associate Analyst, Design Engineering and Services |
| Mo Saleh <i>Workshop Manager</i> | Kinectrics, Canada | Associate Analyst, Nuclear Safety and Licensing |

Wednesday, 2 October 2024

14:00 – 16:00 Workshop 7: Enhancing Safety in Nuclear Power Plants: A Deep Dive into Reactor Shop Safety Systems

This workshop aims to deepen participants' understanding of the critical safety systems within the reactor shops of nuclear power plants, focusing on modern systems implemented in VVER, AP, and EPR projects. Through detailed examinations of specific systems such as the Reactor Coolant Circuit, Passive Heat Removal, and Emergency Steam Generator Cooldown Systems, among others, attendees will explore operational principles, assess potential threats, and discuss system features and types. The session will blend presentations with active group discussions, allowing participants to evaluate safety systems and brainstorm improvements. The workshop is structured to encourage critical thinking and technical analysis, enhancing participants' abilities to identify system features, understand their operational dynamics, and propose innovative solutions. By the end of this engaging session, attendees will be better equipped to contribute to the safety enhancements in nuclear power plant operations, carrying forward their learned skills in technical scheme analysis and collaborative problem-solving.

| Name | Organization | Title |
|--|--|--|
| Dmitry Nesterets <i>Workshop Manager</i> | Rosatom Technical Academy, Russian Federation | Lead Engineer, NPP Personnel Training |

Wednesday, 2 October 2024

14:00 – 16:00 IYNC Network: Strategy Committee Meeting

The meeting will focus on discussing and developing strategic initiatives for the International Youth Nuclear Congress (IYNC) Network. Members will collaborate on setting goals, evaluating current strategies, and planning future activities to enhance the network's impact and engagement within the nuclear industry. This meeting is by invitation only.

| Name | Organization | Title |
|---|--|--------------------------|
| Lena Andriolo <i>Session Co-Manager</i> | International Youth Nuclear Congress, France | Immediate Past President |
| Denis Janin <i>Session Co-Manager</i> | International Youth Nuclear Congress, Denmark | Former President |

Wednesday, 2 October 2024

14:00 – 15:00 Panel 1: Fusion Forum: Bridging Communities for Climate Action

Co-Managers: Muna Al Suwaidi, Climate Change Officer, International Youth Nuclear Congress & Kristine Madden, President, International Youth Nuclear Congress and General Co-Chair, IYNC2024

This panel brings together a diverse group of non-nuclear experts—from environmentalists and educators to community leaders—to discuss strategies for effective integration and communication between the nuclear community and the broader public. The goal is to explore innovative ways to demystify nuclear science and technology, enhance transparency, and foster a dialogue that is both accessible and engaging to non-experts. Panelists will provide feedback on current outreach efforts and propose new approaches to ensure that the nuclear community not only informs but also listens and responds to public concerns, thereby building trust and understanding across different sectors.

| Name | Organization | Title |
|---|--|--|
| Kristine Madden <i>Session Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Saikat Das <i>Speaker</i> | YOUNGO, India/United Kingdom European Young Engineers, India/United Kingdom | Partnership Coordinator, Energy Working Group Policy Director |
| Arshi Ayub Zaveri <i>Speaker</i> | Trust with Trade Group UAE, United Arab Emirates | Chief Executive Officer |
| Mehak Sudan | Global Warming Mitigation Project, United Arab Emirates/India | Contributing Partner |

Wednesday, 2 October 2024

15:00 – 16:00 Panel 2: Diversity Drives Innovation: Building a Thriving Industry

Manager: Larissa Noudem, Chair, Women in Nuclear Global Young Generation Network

Discover the transformative power of diversity in shaping the future of our industry. In this dynamic panel discussion, we will explore the importance of diversity across generations, genders, and geographic regions and more. A diverse group of experts will share insights and strategies for fostering inclusivity and representation at all levels of the nuclear sector. From recruitment practices to leadership development, attendees will gain practical insights into harnessing the strengths of diverse perspectives. The panel will focus on key areas, each represented by a speaker who can provide insights into the implementation of diversity initiatives, the challenges faced, and the objectives for the future: industry, education and institutional organizations, diplomatic sectors and nongovernmental organizations.

| Name | Organization | Title |
|--|---|--|
| Larissa Noudem <i>Moderator</i> | Women in Nuclear Global Young Generation Network | Chair |
| Marwa Kharmis Maktoom Belal Alshehh <i>Speaker</i> | Nawah Energy Company | Senior Reactor Operator |
| Farah Chahma <i>Speaker</i> | NUVIA SIGMA & NUVIA MENA | Chief Executive Officer |
| Estiner Katengeza <i>Speaker</i> | Malawi University of Business and Applied Sciences, Malawi | Lecturer |
| Makino Momoe <i>Speaker</i> | Japan External Trade Organization, Japan | Senior Research Fellow, Development Studies Center, Institute of Developing Economies |

Veeshesh Sunassay
Speaker

NAYGN Durham,
Canada/Mauritius

Chapter President

Anis Ben Yahya
Speaker

Thomas Thor

Director, Middle East

Wednesday, 2 October 2024

16:30 – 17:00 Congress Reflections

| Name | Organization | Title |
|---|--|------------------|
| Kristine Madden <i>Session Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |
| Abdulla Al Nuaimi <i>Session Co-Manager</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |

Wednesday, 2 October 2024

17:00 – 19:00 Connect & Catalyze Reception

The Connect & Catalyze Reception serves as a networking platform, bringing together external stakeholders from non-nuclear backgrounds with participants of the IYNC2024 conference. Attendees mingle, share ideas, and establish connections while enjoying a relaxed atmosphere. As part of the event, individuals can sign up for Lightning Talks, providing brief pitches on topics of interest or ongoing projects. This dynamic gathering fosters collaboration and sparks innovation within the global nuclear community.

| Name | Organization | Title |
|---|--|---------------------------------------|
| Kristine Madden <i>Session Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Abdulla Al Nuaimi <i>Session Co-Manager</i> | Barakah Youth Council, United Arab Emirates IYNC2024 | President General Co-Chair |



Wednesday, 2 October 2024

19:00 – 22:00 IYNC Board of Directors' Meeting

The annual IYNC Board of Directors' meeting is open to Members of the Board and invited Observers.

| Name | Organization | Title |
|--|--|------------------|
| Kristine Madden <i>Session Manager</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |

IYNC2024

DETAILED SCHEDULE

Thursday, 3 October 2024



Thursday, 3 October 2024

09:00 – 09:30 Keynote Session: Navigating Innovation: A Fireside Chat on Strategic Investments and Sustainable Futures

Join us for an engaging fireside chat on how strategic investments are shaping sustainable futures in the nuclear sector. Experts will discuss the critical role of forward-thinking investments in driving long-term sustainability, exploring innovative approaches and successful case studies that are paving the way for a more resilient and eco-friendly nuclear industry.

| Name | Organization | Title |
|--|---|--|
| Abdulla Al Nuaimi <i>Moderator</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |
| Enobot Agboraw <i>Speaker</i> | African Commission on Nuclear Energy, South Africa | Executive Secretary |
| Leandro Aolita <i>Speaker</i> | Technology Innovation Institute, United Arab Emirates | Executive Director, Quantum Algorithms |

Thursday, 3 October 2024

09:30 – 10:30 Plenary 6: Financing Good Projects

During this plenary, explore the pivotal elements that inform investment decisions, ranging from assessing the feasibility of various designs to navigating the intricacies of workforce development and fortifying supply chains. Together, these factors converge to chart the course of sustainable energy endeavors, reflecting the nuanced dynamics of the nuclear sphere.

| Name | Organization | Title |
|--|--|--|
| Brianna Lazerwitz <i>Moderator</i> | International Atomic Energy Agency | Energy Economist |
| Amal Al Sulaimani <i>Speaker</i> | Nawah Energy Company, United Arab Emirates | Vice President, Supply Chain |
| August Fern <i>Speaker</i> | Baruch Future Ventures, United States of America International Youth Nuclear Congress, United States of America | Partner & Climate Tech Investor Strategic Advisory Officer & Co-Founder |
| Denis Janin (TBC) <i>Speaker</i> | Bain & Company, Denmark | Senior Manager |
| Gyoungmin Koh <i>Speaker</i> | Korea Electric Power Corporation Barakah One Company | General Manager Chief Commercial Officer |

Thursday, 3 October 2024

11:00 – 13:00 Workshop 8: Synergy Workshop: Crafting Pathways for Integration

Following a panel discussion with leading climate change advocates, this workshop offers a unique opportunity to dive deeper into how the nuclear industry can effectively enhance its role within the clean energy sector. Participants will explore actionable strategies for better integration and improved communication with other clean energy initiatives. Through guided discussions and collaborative activities, you'll engage with experts and peers to develop innovative solutions that align nuclear energy more closely with global sustainability goals. This session is designed for professionals eager to bridge gaps and foster partnerships that leverage nuclear energy's potential as a pivotal component of the clean energy landscape.

| Name | Organization | Title |
|--|--|---|
| Kristine Madden <i>Workshop Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Saikat Das <i>Workshop Co-Manager</i> | YOUNGO, India/United Kingdom European Young Engineers, India/United Kingdom | Partnership Coordinator, Energy Working Group Policy Director |

Thursday, 3 October 2024

11:00 – 13:00 Workshop 9: Nuclear Energy in Tomorrow's Energy Ecosystem

This workshop delves into the integration of nuclear energy within the future energy landscape, aiming to explore and understand the criteria that guide the selection of energy generation methods. Throughout this interactive session, participants will engage in analyzing how various energy systems function, assess alternative energy generation methods, and pinpoint the unique advantages of nuclear energy. Key topics include the influence of geographic and economic contexts on energy choices and the decision-making process regarding the viability of different energy generation types. The event format includes an initial presentation followed by participant-driven group discussions and problem-solving activities, lasting 2-3 hours. Participants will leave with practical insights into energy balance, the strengths of nuclear power, and tailored strategies for energy system modeling.

| Name | Organization | Title |
|---|---------------------------------------|--|
| Valeriia Liapina <i>Workshop Manager</i> | AAEM LLC, Russian Federation | Lead Engineer, Turbine Hall Arrangement Department |
| Nataliia Aksenova <i>Workshop Manager</i> | International Atomic Energy Agency | Legal Expert, International Energy and Nuclear Law |

Thursday, 3 October 2024

11:00 – 13:00 Workshop 10: Nuclear Nexus: Strategic Workshop for Newcomer Nuclear Power Programs

The Nuclear Nexus Game, developed by the World Nuclear Association, is an engaging and interactive card game that immerses participants in the complexities of establishing a nuclear power program in a newcomer country. Players explore the various stages, stakeholders, and strategies involved, gaining a comprehensive understanding of how these elements interconnect while sharing expertise and experiences from different sectors of the nuclear industry. Featuring around 30 cards, the game covers key topics such as supply chains, regulations and laws, finance, energy policy and politics, technological advancements, environmental considerations, and public engagement. Additionally, participants can use a "wildcard" to introduce any element they believe is crucial to the discussion.

| Name | Organization | Title |
|---|--|------------------------|
| Henry Preston <i>Workshop Manager</i> | World Nuclear Association, United Kingdom | Communications Manager |

Thursday, 3 October 2024

11:00 – 12:00 Panel 3: Connecting Generations: Empowering Youth in Nuclear Networks

Manager: Lena Andriolo, Immediate Past President, International Youth Nuclear Congress, France

This panel showcases how young generation in nuclear networks effectively engage with the public and drive industry progress. From innovative public information tools, such as children's books and essay contests, to impactful events such as continental conferences and public engagement, attendees will gain insights into effective strategies for expanding reach and advocating for clean energy. Additionally, the panel will explore the role of committees and mentorship programs in nurturing future leaders.

| Name | Organization | Title |
|--|---|------------------------------------|
| Lena Andriolo <i>Moderator</i> | International Youth Nuclear Congress, France | Immediate Past President |
| Abdulla Al Nuaimi <i>Speaker</i> | Barakah Youth Council, United Arab Emirates | President |
| Ana Gonzalez <i>Speaker</i> | Jovenes Nucleares, Spain | Head of Treasury and Legal Affairs |
| Kota Kawai <i>Speaker</i> | Japan Young Generation Network, Japan | President |
| Andrea Kozlowski <i>Speaker</i> | European Nuclear Society Young Generation Network, United Kingdom | President |
| Matthew Mairinger <i>Speaker</i> | North American Young Generation in Nuclear, Canada | Immediate Past President |
| Nitendra Singh <i>Speaker</i> | Indian Youth Nuclear Society, India | President |

Thursday, 3 October 2024

12:00 – 13:00 Panel 4: Global Perspectives: Nuclear Advocacy and Criticism Post-COP28

Co-Managers: Christophe Corazza, PhD Candidate, KU Leuven University – Belgian Nuclear Research Centre SCK CEN, Belgium & Ini Godwin, Senior Scientific Officer, Nigeria Atomic Energy Agency, Nigeria

This panel discussion delves into the outcomes of the first UN global stocktake, concluded at COP28 in Dubai, and its ramifications on national policies surrounding nuclear energy across the globe. From examining pre-COP28 stances to exploring shifts in policy post-conference, our panelists offer insights into how this global assessment has influenced the nuclear discourse in their respective countries. This forum aims to foster understanding and constructive dialogue between stakeholders worldwide, shedding light on the complexities and nuances of nuclear energy's role in addressing climate change and sustainable development goals on a global scale.

| Name | Organization | Title |
|---|---|---|
| Maria Brandstetter-Schmied <i>Moderator</i> | International Atomic Energy Agency | Programme & Publication Officer |
| Samiru Alhassan <i>Speaker</i> | Tomsk Polytechnic University, Ghana | Researcher |
| Alice Cunha da Silva <i>Speaker</i> | International Youth Nuclear Congress, Brazil/Spain | Professional Development Officer |
| Denis Janin <i>Session Co-Manager</i> | International Youth Nuclear Congress, Denmark | Former President |
| Lubomir Mitev <i>Workshop Manager</i> | United Arab Emirates/Bulgaria | Communications Expert |
| Sungjune Sohn <i>Speaker</i> | Korea Atomic Energy Research Institute, Republic of Korea | Senior Researcher, Decommissioning Technology Research Division |

Thursday, 3 October 2024

14:00 – 16:00 Workshop 11: Strategic Energy Planning for Net-Zero: Harnessing IAEA Tools for Tailored Solutions

This interactive workshop invites participants to delve into the world of strategic energy planning using the International Atomic Energy Agency's (IAEA) advanced energy planning tools. Through hands-on simulations, attendees will learn how to utilize these tools to create customized energy strategies that align with the goal of achieving net-zero emissions in their respective countries. The workshop will guide participants through various scenarios, teaching them to adjust and optimize energy mixes and infrastructure investments effectively. By the end of the session, participants will have developed actionable strategies tailored to the unique needs and resources of their countries, empowering them to make informed decisions towards a sustainable energy future.

| Name | Organization | Title |
|---|---------------------------------------|-------------------|
| Brianna Lazerwitz <i>Workshop Manager</i> | International Atomic Energy Agency | Economics Analyst |

Thursday, 3 October 2024

14:00 – 16:00 Workshop 12: Deciphering Safety Culture: Differentiating Climate from Culture

Safety culture and safety climate are often used interchangeably, yet they represent distinct constructs in organizational behavior. This workshop aims to unravel the complexities surrounding these terms, exploring their differences and commonalities. Through interactive discussions and team-based activities, participants will delve into the key components of safety culture models and learn to distinguish between lagging and leading indicators of safety performance. By engaging in group exercises tailored to various organizational departments, attendees will gain practical insights into developing customized indicators and fostering a robust safety culture within their workplaces. With a flexible format accommodating various time constraints, this workshop promises valuable takeaways for professionals seeking to enhance safety practices and promote a culture of well-being in their organizations.

| Name | Organization | Title |
|---|---|--------------|
| James Hylko <i>Workshop Manager</i> | Hylko Nuclear, LLC, United States of America | President |

Thursday, 3 October 2024

**14:00 – 16:00 Workshop 13: Navigating Climate Diplomacy: UNFCCC Simulation
Workshop**

Step into the world of international climate diplomacy with our interactive workshop designed to immerse participants in the complexities of the UNFCCC negotiation process. Through engaging simulations and in-depth discussions, attendees will gain a deep understanding of the dynamics shaping global climate agreements. Led by experienced facilitators, this session will challenge participants to adopt diplomatic roles and negotiate on behalf of different nations, allowing them to experience firsthand the intricacies of international climate negotiations. Whether you're a seasoned climate policy expert or new to the field, this workshop offers a unique opportunity to explore the challenges and opportunities of climate diplomacy in a collaborative and interactive setting.

| Name | Organization | Title |
|--|--|--|
| Saikat Das <i>Workshop Manager</i> | YOUNGO, India/United Kingdom European Young Engineers, India/United Kingdom | Partnership Coordinator, Energy Working Group Policy Director |

Thursday, 3 October 2024

14:00 – 16:00 Workshop 14: Mastering Communication: Crafting Compelling Messages for Diverse Audiences

This workshop is dedicated to enhancing your communications and media skills, crucial for crafting compelling messages and engaging effectively with diverse audiences. Participants will undergo practical training in media relations, public speaking, and digital communication techniques. Through interactive sessions led by experienced communicators, you'll learn how to confidently handle interviews, press conferences, and social media platforms. This hands-on workshop is ideal for anyone looking to improve their media presence and communication strategies, ensuring your messages are not only heard but resonate strongly with your target audience.

| Name | Organization | Title |
|---|-------------------------------|-----------------------|
| Lubomir Mitev <i>Workshop Manager</i> | United Arab Emirates/Bulgaria | Communications Expert |

Thursday, 3 October 2024

14:00 – 15:00 Panel 5: Compact Power: Advancing 3S in Small Modular Reactors and Advanced Nuclear Technologies

Co-Managers: Owen Legrome, Associate Safeguards Information Analyst, International Atomic Energy Agency & Milana Ozerina, Intern, International Atomic Energy Agency

This panel will explore key safety, security, and safeguard (3S) issues in advanced nuclear technologies and small modular reactors (SMRs). Industry experts, regulators, and academics will discuss the latest innovations and 3S challenges, focusing on designing, regulating, and implementing SMRs to meet top safety and security standards. The session will highlight the potential of these technologies in supporting a sustainable and secure energy future, emphasizing collaboration and public trust.

| Name | Organization | Title |
|---|--|---|
| Eva Gyane <i>Moderator</i> | Consultant, Austria | Consultant |
| Na Young Lee <i>Speaker</i> | Korea Institute of Nuclear Nonproliferation and Control, Republic of Korea | Director General, Office of Nuclear Nonproliferation |
| Sola Talabi <i>Speaker</i> | Pittsburgh Technical | President |
| Natallia Varapai <i>Speaker</i> | SCK CEN, Belgium | Safety Engineer |

Thursday, 3 October 2024

15:00 – 16:00 Panel 6: Innovating to Scale: Empowering Nuclear Entrepreneurs

Manager: Okan Yildiz, Nuclear Energy Expert, Nuclear Industry Association of Türkiye, Türkiye

Explore how innovative talent drives growth in both large corporations and startups within the nuclear sector. Our panel of industry experts will share their experiences and strategies for success in nuclear innovation and entrepreneurship. From generating business ideas to navigating organizational structures and maintaining leadership, attendees will gain practical insights into building thriving nuclear ventures. Engage in a mini-business start-up simulation and connect with speakers for exclusive networking opportunities. Join us to empower your entrepreneurial ambitions in the nuclear industry.

| Name | Organization | Title |
|---|--|-----------------------------------|
| Okan Yildiz <i>Moderator</i> | Nuclear Industry Association of Türkiye, Türkiye | Nuclear Energy Expert |
| Phoebe Lind <i>Speaker</i> | Last Energy, United States of America | Government Relations Associate |
| Alessio Luvara <i>Speaker</i> | CAELUS, Italy/United States of America | Founder & Chief Executive Officer |



Thursday, 3 October 2024

14:00 – 16:00 Global Innovation4Nuclear Competition

The Global Innovation4Nuclear Competition gathers regional winners from around the world to present groundbreaking ideas in nuclear science and technology. This event offers a platform for collaboration and networking, where participants can share and be inspired by cutting-edge projects that are driving innovation and shaping the future of nuclear energy.

| Name | Organization | Title |
|--|---|------------------|
| Dinara Ermakova <i>Moderator</i> | International Youth Nuclear Congress, Kazakhstan/United States of America | Innovation Chair |

Thursday, 3 October 2024

16:30 – 23:00 Closing Event: Desert Safari

A must-try activity in this region, the tour offers a delightful evening in the Abu Dhabi desert, complete with a BBQ dinner, dune bashing and more.

| Name | Organization | Title |
|---|--|---------------------------------------|
| Kristine Madden <i>Session Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Abdulla Al Nuaimi <i>Session Co-Manager</i> | Barakah Youth Council, United Arab Emirates IYNC2024 | President General Co-Chair |

IYNC2024

DETAILED SCHEDULE

Friday, 4 October 2024



Friday, 4 October 2024

09:00 – 10:00 Plenary 7: Youth Powering the Future

Participate in a dynamic intergenerational dialogue as industry executives collaborate with emerging leaders from the nuclear and broader energy sectors. Together, we'll reflect on pivotal insights gleaned from the week's discussions, leveraging our collective expertise to chart actionable steps towards forging a sustainable and inclusive energy landscape. Explore the intersection of seasoned wisdom and fresh perspectives, harnessing this synergy to drive meaningful change for generations to come.

| Name | Organization | Title |
|---|--|--|
| Kristine Madden <i>Moderator</i> | International Youth Nuclear Congress, Austria/United States of America IYNC2024 | President General Co-Chair |
| Ghayah Al Harmoodi <i>Speaker</i> | University of Sharjah, United Arab Emirates | Senior Nuclear Engineering Student |
| Sama Bilbao y Leon <i>Speaker</i> | World Nuclear Association, United Kingdom | Director General |
| Saikat Das <i>Speaker</i> | YOUNGO, India/United Kingdom European Young Engineers, India/United Kingdom | Partnership Coordinator, Energy Working Group Policy Director |
| Osama Baig <i>Speaker</i> | North American Young Generation in Nuclear | Nuclear Advocate & Safeguards Expert |

Friday, 4 October 2024

10:00 – 11:15 Awards Ceremony

Celebrate excellence in nuclear science and technology at the IYNC Awards Ceremony. This prestigious event honors outstanding achievements and contributions by young and seasoned professionals in the field. Join us as we recognize and applaud the innovative work and dedication of individuals who are shaping the future of the nuclear industry.

| Name | Organization | Title |
|---|--|------------------|
| Kristine Madden <i>Session Co-Manager</i> | International Youth Nuclear Congress, Austria/United States of America | President |
| | IYNC2024 | General Co-Chair |
| Abdulla Al Nuaimi <i>Session Co-Manager</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |

Friday, 4 October 2024

11:15 – 12:00 Closing: Keynote Session

As IYNC204 concludes, join us for the closing remarks, where key takeaways and reflections on the conference will be shared. This final session will highlight the key insights and achievements from the event, celebrating the collaborative spirit and forward-thinking ideas that emerged. Attendees will be inspired to continue driving innovation and excellence in the nuclear field as we look ahead to future opportunities and challenges.

| Name | Organization | Title |
|---------------------------|---|-----------------|
| TBC | Emirates Nuclear Energy Corporation, United Arab Emirates | TBD |
| Sama Bilbao y Leon | Executive Director, World Nuclear Association, United Kingdom | Keynote Address |
| Abdulla Al Nuaimi | President, Barakah Youth Council, United Arab Emirates General Co-Chair, IYNC2024 | Keynote Address |
| Kristine Madden | President, International Youth Nuclear Congress, Austria/United States of America General Co-Chair, IYNC2024 | Keynote Address |
| TBD | Incoming President, International Youth Nuclear Congress | Keynote Address |

Friday, 4 October 2024**14:00 – 17:00 Technical Tours: FANR Laboratories**

Experience the cutting edge of nuclear science with our technical tours at FANR Laboratories. These guided tours offer an exclusive behind-the-scenes look at the latest research and technological advancements in nuclear science and technology. Participants will have the opportunity to explore state-of-the-art facilities, interact with leading experts, and gain valuable insights into the operational and regulatory aspects of nuclear technology.

| Name | Organization | Title |
|--------------------------|---|------------------|
| Abdulla Al Nuaimi | Barakah Youth Council, United Arab Emirates | President |
| <i>Session Manager</i> | IYNC2024 | General Co-Chair |

IYNC2024

DETAILED SCHEDULE

Saturday, 5 October 2024



Saturday, 5 October 2024

08:00 – 17:00 **Technical Tours:** Barakah Nuclear Power Plant, Sheikh Shakbout Medical City & Technology Innovation Institute

Experience the cutting edge of nuclear science with our technical tours at Barakah Nuclear Power Plant, Sheikh Shakbout Medical City & Technology Innovation Institute. These guided tours offer an exclusive behind-the-scenes look at the latest research and technological advancements in nuclear science and technology. Participants will have the opportunity to explore state-of-the-art facilities, interact with leading experts, and gain valuable insights into the operational and regulatory aspects of nuclear technology.

| Name | Organization | Title |
|--|---|------------------|
| Abdulla Al Nuaimi <i>Session Manager</i> | Barakah Youth Council, United Arab Emirates | President |
| | IYNC2024 | General Co-Chair |