

LATEST DEVELOPMENTS IN NUCLEAR ENERGY FOR SUSTAINABLE DECARBONISATION

9 Dec 2022

10:00am – 5:15pm

Registration



Online

Zoom / Tencent



Onsite (by invitation)

Herbalgy Lecture Theatre, Bank of China (Hong Kong) Complex,
City University of Hong Kong



Language

English, Putonghua



Keynote Speaker

Millie Ng

Deputy Secretary for Environment and Ecology (Environment),
Environment and Ecology Bureau, HKSAR Government

Nuclear Energy's Essential Role to Net Zero Emissions



Keynote Speaker

Way Kuo

President, City University of Hong Kong

Forum Programme

Session 1

Nuclear Energy's Development and Policy in Hong Kong and Beyond

Hong Kong's Energy Future:
A Continuing Role for Nuclear?



Christine Loh

Chief Development Strategist,
Institute for the Environment,
The Hong Kong University of
Science and Technology

How Does Nuclear Energy Help GBA and
Hong Kong Achieve Decarbonisation?



Roger Chen

Senior Director – Nuclear,
CLP Holdings

Nuclear Energy Agency Perspectives on
the Global Developing Nuclear Energy Industry



Emma Wong

Specialist in Technology and
Innovation, OECD/
Nuclear Energy Agency

Panel Discussion

Meeting the Challenge, Availability and Public Acceptance of Nuclear Energy to Achieve Carbon Neutrality

Session 2

Advanced Nuclear Technology

Progress of High Temperature Gas-cooled Reactor in China



Shi Lei (石磊)

Professor, Institute of Nuclear and
New Energy Technology, Tsinghua University

Current Status of Nuclear-power Industry in the World and
Supercritical Water Reactor (SCWR) Development



Igor Pioro

Editor-in-Chief, ASME Journal of Nuclear Engineering
and Radiation Science; Professor, Faculty of Energy
Systems and Nuclear Science, Ontario Tech University

Lithium Fluoride Thorium Reactors:
A Revolution and Return to the Original Vision of Nuclear Energy



Benjamin Soon

Chief Business Development Officer, Flibe Energy

Progress on the Path to Fusion Energy



Joe Milnes

Head of JET Operations,
UK Atomic Energy Authority

Session 3

Nuclear Safety and Public Education on Nuclear Energy

Public Education of Nuclear Energy under the New Era –
Mainland China Successful Case Sharing



**Wang Binghua
(王炳華)**

China Nuclear Energy Association
(中國核能行業協會核能公眾溝通委員會主任)

Public Engagement on Nuclear Energy –
Hong Kong's Experience



Elizabeth Tai

Director – Corporate Affairs
(Business Operations),
CLP Power Hong Kong

Emergency Preparedness – Hong Kong's Daya
Bay Contingency Plan and the 2023 Exercise



Suzette Foo

Director (Exercise Management Team),
Security Bureau, HKSAR Government

SUPPORTING ORGANISATIONS

- Hong Kong Association of Medical Physicists
- Hong Kong Association of Risk Management and Safety
- Hong Kong Radiation Protection Society
- Institution of Mechanical Engineering - Hong Kong Branch
- Institution of Occupational Safety and Health - Hong Kong Branch
- The Hong Kong Institution of Engineers – Mechanical, Marine, Naval Architecture and Chemical Division
- The Macao Institution of Electrical and Mechanical Engineers

Enquiries

Louis Liu, Secretary of Hong Kong Nuclear Society



+852 9736-4335



info@hkns.hk

<https://www.cityu.edu.hk/mne/one-day-forum-latest-developments-nuclear-energy-sustainable-decarbonisation>

Detailed Rundown

Programme

Speaker

Language: English, and Putonghua for the two presentations marked with an *

Opening

10:00 - 10:10

Welcome remarks

Dr Luk Bing-lam, Chairman, Hong Kong Nuclear Society

10:10 - 10:20

Keynote speech

Mrs Millie Ng, Deputy Secretary for Environment and Ecology (Environment), Environment and Ecology Bureau, HKSAR Government

10:20 - 10:30

Keynote speech – Nuclear Energy's Essential Role to Net Zero Emissions

Prof Way Kuo, President, City University of Hong Kong

Session 1: Nuclear Energy's Development and Policy in Hong Kong and Beyond

10:30 - 10:55

Hong Kong's Energy Future: A Continuing Role for Nuclear?

Ms Christine Loh, Chief Development Strategist, Institute for the Environment, The Hong Kong University of Science and Technology

10:55 - 11:20

How Does Nuclear Energy Help GBA and Hong Kong Achieve Decarbonisation?

Mr Roger Chen, Senior Director – Nuclear, CLP Holdings

11:20 - 11:45

Nuclear Energy Agency Perspectives on the Global Developing Nuclear Energy Industry

Ms Emma Wong, Specialist in Technology and Innovation, OECD/ Nuclear Energy Agency

11:50 - 12:15

Panel Discussion - Meeting the Challenge, Availability and Public Acceptance of Nuclear Energy to Achieve Carbon Neutrality

12:20 - 14:00

Luncheon

Session 2: Advanced Nuclear Technology

14:00 - 14:25

Progress of High Temperature Gas-cooled Reactor in China*

Prof Shi Lei (石磊教授), Professor of the Institute of Nuclear and New Energy Technology of Tsinghua University

14:25 - 14:50

Current Status of Nuclear-power Industry in the World and Supercritical Water Reactor (SCWR) Development

Prof Igor Pioro, Editor-in-Chief of ASME Journal of Nuclear Engineering and Radiation Science; Professor, Faculty of Energy Systems and Nuclear Science, Ontario Tech University

14:50 - 15:15

Lithium Fluoride Thorium Reactors: Revolution and Return to the Original Vision of Nuclear Energy

Mr Benjamin Soon, Chief Business Development Officer, Flibe Energy

15:15 - 15:40

Progress on the Path to Fusion Energy

Dr Joe Milnes, Head of JET Operations, UK Atomic Energy Authority

Session 3: Nuclear Safety and Public Education on Nuclear Energy

15:45 - 16:10

Public Education of Nuclear Energy under the New Era – Mainland China Successful Case Sharing*

Mr Wang Binghua, China Nuclear Energy Association (中國核能行業協會核能公眾溝通委員會主任王炳華)

16:10 - 16:35

Public Engagement on Nuclear Energy – Hong Kong's Experience

Ms Elizabeth Tai, Director – Corporate Affairs (Business Operations), CLP Power

16:35 - 17:00

Emergency Preparedness – Hong Kong's Daya Bay Contingency Plan and the 2023 Exercise

Ms Suzette Foo, Director (Exercise Management Team), Security Bureau, HKSAR Government

Closing

17:05 - 17:15

Closing Remarks

Prof Pan Chin, Head and CLP Power Chair Professor of Nuclear Engineering, Department of Mechanical Engineering, City University of Hong Kong