

25

YEARS OF



W A N O

1989-2014

# Introduction



## **This year, we mark 25 years since the creation of the World Association of Nuclear Operators.**

WANO was formed as the nuclear industry's collective response to the Chernobyl accident and much has happened in the quarter century since the 1989 inaugural meeting.

Thousands of talented people have joined WANO for various durations, bringing with them the skills and knowledge needed to make the world of nuclear power generation a safer one.

We have experienced great successes and built powerful programmes that have established WANO as the global leader in nuclear safety. We have also faced significant challenges, like those experienced during the Fukushima crisis, reminding us that the pursuit of excellence is a never ending journey.

As we reflect on WANO's milestone anniversary with this souvenir brochure, I would like to take the opportunity to thank all of those who have contributed to WANO over the past 25 years for their dedication to the WANO mission and unyielding commitment to nuclear safety.



A handwritten signature in black ink, appearing to read 'Ken Ellis'.

**Ken Ellis**  
Managing Director, WANO



# WANO

# 25 YEARS OF WANO

**15 May 1989**

WANO Charter signed at inaugural meeting

WANO is established with regional centres in Atlanta, Moscow, Paris and Tokyo, and an office in London



1989

**1990**

First WANO Good Practice published on the subject of *Plant Predictive Maintenance*

**1990**

WANO Performance Indicator programme is established

1990

1991

**1992**

*"If the idea of peer reviews would be supported by the general meeting, the Paks NPP Company is ready to volunteer to take first such review."*  
József Pónya, Paks General Manager

First WANO peer review is conducted, at Paks NPP

1992

**1993**

First issue of *Inside WANO* published

**1993**

Peer Review is adopted as a formal WANO programme at the BGM in Tokyo

1993



1994



Lord Marshall, Mr Nikolai Lukonin & Mr William S. Lee – 1989 Inaugural Meeting



Mr Anatoly Kirichenko

**William S. Lee, elected WANO President at the Inaugural Meeting, May 1989, wrote the following note to Zack Pate during the meeting**

**“** ...As I sat on the stage to sign the WANO charter, I was overwhelmed with the most remarkable feelings of being involved in a major evolution in the course of history. I became a part of the nuclear industry 38 years ago... And here I was, present in the room where the people from all over the world...were pledging, with deep sincerity and emotion, to share information with each other because they all felt that the safe operation of nuclear reactors is central to the benefit of the world's population... ”



Mr Shoh Nasu



Mr Ian McRae

## CHAIRMEN

1989 – 1993

**Lord Marshall of Goring**

Central Electricity Generating Board

1993 – 1997

**Mr Rémy Carle**

EDF

## PRESIDENTS

1987 – 1989

**Mr Nikolai Lukonin**

Nuclear Power

1989 – 1991

**Mr William S. Lee**

Duke Power Company

1991 – 1993

**Mr Shoh Nasu**

TEPCO

1993 – 1995

**Mr Ian McRae**

ESKOM

# 1989 – 2014

**1997**  
WANO launched member website

**1998**  
Technical Support Missions established

**1998**  
First Significant Operating Experience Report (SOER) published on the subject of *Safety System Status Control*

**1999**  
WANO's 10 year anniversary



**2000**  
Operating Experience Central Team (OECT) established in Paris

**2001**  
WANO launched public website

**2001**  
First WANO Guideline published: *Guidelines for the Organisation and Administration of Nuclear Power Plants*

1995

1996

1997

1998

1999

2000

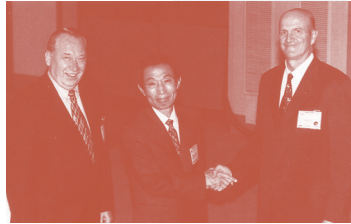
2001

“ Our operators have studied thousands of western and eastern practices and we have adopted those that we consider give us significant safety improvement. The WANO Performance Indicator programme provides our power plant managers with an objective means of measuring progress.”

**Mr Erik Pozdyshev** (1994)



Mr Remy Carle



Dr Allan Kupcis, Mr Soo-byong Choi & Dr Zack Pate

“ WANO's success radically depends on the trust which should exist in the relationship amongst members. This should be a climate of confidence and mutual respect, including respect of existing differences, particular needs and circumstances. Creating this climate in the first place depends on the WANO leadership of the WANO governing board and the regional centre governors.”

**Mr Oleg Saraev** (2003)

1997 – 2002

**Dr Zack Pate**

INPO

1995 – 1997

**Mr Erik Pozdyshev**

Rosenergoatom Concern

1997 – 1999

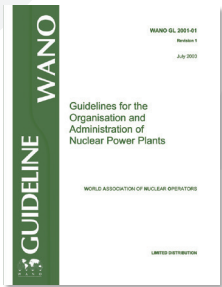
**Dr Allan Kupcis**

Ontario Hydro

1999 – 2002

**Mr Soo-byong Choi**

Korea Electric Power Corporation



**2003**  
Nuclear  
Excellence  
Award  
established



**2003**  
200th peer review  
conducted

**2004**  
First pre-startup  
peer reviews  
conducted at  
Khmelnitski and  
Rovno NPPs



Pre-startup peer review at  
Khmelnitski NPP

**2006**  
WANO holds its first Plant  
Managers' Conference

**2006**  
Peer reviews become a  
member obligation and will  
take place every six years



Plant Managers' Conference 2006

2002

2003

2004

2005

2006

2007



Mr Pierre Carlier



Mr Hajimu Maeda



Dr Shreyans Kumar Jain

“ In the dark days following the Chernobyl accident, the need for WANO was quite clear. There was an immense task ahead of us to open the lines of communication among nuclear operators around the world. With your help, we have done that.”  
**Mr William Cavanaugh III (2005)**

“ I am absolutely driven by the need to make things better. I always ask, and I expect others to ask – am I achieving the best possible results?”  
**Mr Oliver Kingsley (2005)**

2002 – 2004

**Mr Hajimu Maeda**

The Kansai Electric Power Company

2004 – 2008

**Mr William Cavanaugh III**

Progress Energy

2002 – 2003

**Mr Pierre Carlier**

EDF

2003 – 2005

**Mr Oleg Saraev**

Rosenergoatom Concern

2005 – 2007

**Mr Oliver Kingsley**

Exelon Nuclear

2007 – 2010

**Dr Shreyans Kumar Jain**

NPCIL

**2010**

The 10th Biennial General Meeting (BGM) is held in Delhi, India. BGM attendees are informed that every commercial NPP in the world has now received a WANO peer review



Mr George Felgate speaks at 2010 BGM

**2011**

Great East Japan Earthquake

**2011**

WANO Post-Fukushima Commission established

**2012**

WANO and IAEA sign memorandum of understanding



Yukiya Amano & Laurent Stricker sign MOU

**2012**

Hong Kong branch of the WANO London Office is opened

**2014**

WANO's 25 year anniversary



2009

2010

2011

2012

2013

2014



Mr Qian Zhimin



Mr He Yu

**“** *The only way to achieve acceptance of the Post-Fukushima Commission's work is by strengthening WANO. WANO is the trade union of the utilities. We are stronger when we are united.* **”**  
**Prof Vladimir Asmolov (2011)**



Mr Jacques Regaldo & Mr Duncan Hawthorne – 2013 BGM

2008 – 2013

**Mr Laurent Stricker**

EDF

2013 – present

**Mr Jacques Regaldo**

EDF

Feb – July 2010

**Mr Qian Zhimin**

CGNPC

2010 – 2011

**Mr He Yu**

CGNPC

2011 – 2013

**Prof Vladimir Asmolov**

Rosenergoatom Concern

2013 – present

**Mr Duncan Hawthorne**

Bruce Power



## WANO Chairmen

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**Lord Marshall  
of Goring**  
(1989 – 1993)



**Mr Rémy Carle**  
(1993 – 1997)



**Dr Zack Pate**  
(1997 – 2002)



**Mr Hajimu Maeda**  
(2002 – 2004)



**Mr William  
Cavanaugh III**  
(2004 – 2008)



**Mr Laurent  
Stricker**  
(2008 – 2013)



**Mr Jacques  
Regaldo**  
(2013 – present)

## WANO Presidents

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**Mr Nikolai  
Lukonin**  
(1987 – 1989)



**Mr William  
S. Lee**  
(1989 – 1991)



**Mr Shoh Nasu**  
(1991 – 1993)



**Mr Ian McRae**  
(1993 – 1995)



**Mr Erik  
Pozdyshev**  
(1995 – 1997)



**Dr Allan Kupcis**  
(1997 – 1999)



**Mr Soo-byong  
Choi**  
(1999 – 2002)



**Mr Pierre  
Carlier**  
(2002 – 2003)



**Mr Oleg Saraev**  
(2003 – 2005)



**Mr Oliver  
Kingsley**  
(2005 – 2007)



**Dr Shreyans  
Kumar Jain**  
(2007 – 2010)



**Mr Qian Zhimin**  
(Feb – July 2010)



**Mr He Yu**  
(2010 – 2011)



**Prof Vladimir  
Asmolov**  
(2011 – 2013)



**Mr Duncan  
Hawthorne**  
(2013 – present)

## WANO Managing Directors

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**Mr Thomas  
Eckered**  
(1989 – 1991)

**Mr Walter  
Coakley**  
(1991 – 1992)

**Mr Andrew  
Clarke**  
(1992 – 1995)

**Mr Vince  
Madden**  
(1995 – 2001)

**Mr Tony  
Capp**  
(2001 – 2002)

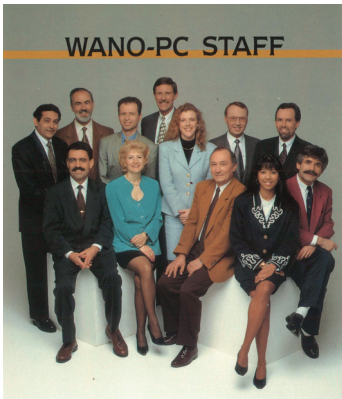
**Mr Sig  
Berg**  
(2002 – 2004)

**Mr Luc  
Mampaey**  
(2004 – 2009)

**Mr George  
Felgate**  
(2009 – 2013)

**Mr Ken  
Ellis**  
(2013 – present)





**ПРИГЛАШЕНИЕ · INVITATION**

ПРИЕМ В ЧЕСТЬ УЧАСТНИКОВ КОНФЕРЕНЦИИ  
ОТ ИМЕНИ СОВЕТСКОГО ОРГАНИЗАЦИОННОГО  
КОМИТЕТА

RECEPTION IN HONOUR OF THE MEETING PARTICIPANTS  
ON BEHALF OF SOVIET ORGANIZING COMMITTEE

ДАТА DATE 16.05.89 ВРЕМЯ TIME 20.00







ATLANTA  
LONDON & HONG KONG  
MOSCOW  
PARIS  
TOKYO