

# Programme

## International Conference on Peaceful Uses of Atomic Energy-2009

### DAY 1 (Tuesday, 29-09-2009)

**10.00 – 11.00**      **Inaugural Session**

**11.00 – 11.25**      **Tea**

**11.25 – 13.30**      **Plenary Session I**

Chairman           : M.R. Srinivasan, Member, AEC and Former Chairman, AEC  
Secretary           : Dilip Saha, Head, RED, BARC

Name	Affiliation	Title of Presentation
A. Lokshin	Deputy Director, ROSATOM, Russia	–
S.K. Jain	CMD, NPCIL, India	Nuclear Power in India - Road Map to Vision Actualisation
H. Bernard	Vice Chairman, Commissariat A. L'energie Atomique, France	Fighting Climate Change : Nuclear Energy for a Sustained Development - The French Experience
Y.A. Sokolov	DDG, IAEA, Vienna, Austria	Opportunities and Challenges for Nuclear Power Development : The IAEA View
Luis Echavarri	DG, NEA, OECD, France	The Nuclear Energy Outlook
Laurent Stricker	Chairman, WANO, UK	Safety and the Nuclear Renaissance

**13.30 -14.30**      **Lunch**

**14.30 - 17.15**      **Plenary Session II**

Chairman           : R. Chidambaram, Principal Scientific Advisor to the Government of India and Homi Bhabha Professor  
Secretary           : W.S.A. Kanthiah, Director (O), HWB

Name	Affiliation	Title of Presentation
Hugh MacDiarmid	President, CEO, AECL, Canada	Heavy Water Technology and its Contribution to Energy Sustainability
Dominique Mockly	Senior Executive, AREVA, France	Achieving Homi Bhabha's Vision for the Future of India
Gerald W. Grandey	President & CEO, CAMECO, Canada	Atom for Peace - The time is now for India
A.M. Naik	MD & CEO, L&T, Mumbai, India	–
Jack Fuller	President & CEO, GE Hitachi Nuclear Energy, Wilmington, USA	Advances in U.S. Civil Nuclear Technology : a GEH Perspective
Denis Flory	IRSN, Cedex, France	Enhancing Nuclear Safety : A Science Driven International Challenge
R. Matzie	Retd. CTO, Westinghouse, USA	Meeting India's Growing Energy Demand with Nuclear Power

**17.15 - 17.30**      **Tea**

**17.30 - 18.30**

**Panel Discussion :**

**Road Map for the growth of Nuclear Energy- Country Perspectives**

**Lead       :       R.B. Grover, Director, KMG, BARC**

**Panel Members:**

1. D.M. Belenkiy, President, JSC, Atmstroyexport, Moscow, Russia
2. B.M.A. Oswin Perera, Chairman, Atomic Energy Authority, Sri Lanka
3. Vuong Huu Tan, Chairman, VAEC, Vietnam
4. Lic. Norma L. Boero, President, National Atomic Energy Commission, Argentina
5. S.C. Chetal, Director, REG, IGCAR, Kalpakkam, India

**19.00**               **Cultural Programme by Brian Silas**

**20.00**               **Dinner at Venue**

## DAY 2 (Wednesday, 30-09-2009)

**09.30 – 11.00**

### Plenary Session III

Chairman : S. Banerjee, Director, BARC  
Secretary : C.L. Bhairam, Regional Director, AMD

Name	Affiliation	Title of Presentation
Jacques Bouchard	Special Advisor to Chairman, CEA, France	Nuclear Energy and Sustainable Development
Myung-Seung Yang	President, KAERI, Seoul, Republic of Korea	Status and Prospect of the Nuclear R&D in Korea
R.K. Sinha	Director, RD&DG and DMAG, BARC, Mumbai, India	Facilitating Large Scale Nuclear Power Deployment through Technological Innovations
V.S. Ramamurthy	DAE Homi Bhabha Chair Professor, National Institute of Advanced Studies, Bangalore, India	The Challenge of Making Nuclear Technologies Acceptable, Accessible and Affordable

**11.00 - 11.20**

**Tea**

**11.20 - 13.20**

### Plenary Session IV

Chairman : D.D. Sood, Former Director, RC&IG, BARC  
Secretary : S. Majumdar, Former Head, RMD, BARC

Name	Affiliation	Title of Presentation
Baldev Raj	Director, IGCAR, Kalpakkam, India	Closing the Fuel Cycle for Sodium Cooled Fast Reactors - Challenges and Directions
Siegfried S. Hecker	Co-Director, CISC, Stanford University, USA	Can we have Nuclear Renaissance without Nuclear Proliferation?
R.N. Jayaraj	Chief Executive, NFC, Hyderabad, India	Building Indigenous Capability for Nuclear Fuel Fabrication in India
Guy Chardon	Senior Vice-President, Turbo Machine Group, ALSTOM, Switzerland	From Nuclear Steam to Electricity Solutions for Indian Nuclear Power Plants
Thomas Fanghänel	Director, Institute for Transuranium Elements, European Commission, Karlsruhe, Germany	Closing the Nuclear Fuel Cycle for Future Sustainable Nuclear Energy

**13.20 - 14.00**

**Lunch**

**14.00 - 16.00**

**Side Events 1-3 & Poster Session**

**16.00 - 16.20**

**Tea**

**16.20 - 17.20**

**Panel Discussions:**

#### 1. Nuclear Components : Manufacture & Supply Chain Management

**Lead : S.C. Goel, ED (C&MM), NPCIL**

1. P.K. Agarwal, BHEL, New Delhi
2. M.K. Chowdhury, NPCIL, Mumbai
3. Kaustubh G. Shukla, COO, M/s Godrej & Boyce Mfg. Co. Ltd., Mumbai
4. A.V. Parab, General Manager, L&T, Mumbai
5. V.M. Parthasarathy, President, WIL, Walchandnagar
6. Ravindra Reddy, Chairman, MTAR, Hyderabad
7. Speaker from HCC
8. Speaker from ECIL

17.20 - 18.20

**Panel Discussions:**

**2. Human Resources for Expanding Nuclear Industries**

**Lead : V.C. Agrawal, Director (HR), NPCIL**

1. R.B. Grover, Director, KMG, BARC, Mumbai, India
2. Shiv Puri, Delhi University, Delhi, India
3. R.C. Srivastava, NTPC, Delhi
4. B.K. Dutta, BARC, Mumbai
4. Speaker from IITK

19.00

**Cultural Programme: Song and Dance Groups, Ministry of I&B  
- Darbar Hall, Hotel Taj Palace**

20.30

**Conference Banquet - Courtesy AECL**

**DAY 3 (Thursday, 01-10-2009)**

09.30 - 11.15

**Plenary Session V**

Chairman : A.K. Anand, Former Director, RPG, BARC  
Secretary : A.K. Kohli, Chief Executive, BRIT

Name	Affiliation	Title of Presentation
V. Venugopal	Director, RC&IG, BARC, Mumbai, India	Production of Radioisotopes and Medical Applications in India
Abbas Alavi	Univ. of Pennsylvania School of Medicine Philadelphia, USA	Impact of Molecular Imaging with PET on Healthcare Worldwide
S.A. Patil	Former Director, IARI, Bangalore, India	Induced Mutations for Human Welfare through Agriculture
Suresh D. Pillai	Director, National Centre for Electron Beam Research, Texas A&M Univ., Texas, USA	Empowering Billions with Food Safety and Food Security
P.K. Tewari	Head, DD, BARC, Mumbai, India	Nuclear Desalination Activities in India
Anil Joshi	Chairman, HESCO, Dehradun, India	Spring Recharging in the Himalayas

11.15 – 11.30

**Tea**

11.30 – 13.30

**Side Events 4-6 & Poster Session**

13.30 – 14.30

**Lunch**

14.30 – 16.30

**Side Events 7-9 & Poster Session**

16.30 – 16.45

**Tea**

16.45 – 18.00

**Concluding Session**

19.15 – 20.30

**Dinner at Venue**

**Side Event 1 :**

**Exploration & Mining of Uranium (Venue : Hall 4)**

Coordinator : R. Gupta, CMD, UCIL

A. Boytsov	ARMZ Uranium Holding Co., Moscow, Russia	Sustainable Development of Uranium Mining : the New Challenge, Prerequisites and Conditions
B.B. Dhar	Senior Vice President, RBE Foundation, India	Uranium Mining Industry : The Challenges and Opportunities
S. Saint-Pierre	London, UK	–
Janusz A. Kozirski	Dean, College of Engineering University of Saskatchewan, Canada	Nuclear Power and Uranium Development: A Saskatchewan Perspective

**Side Event 2 : Small & Medium size Reactors (Venue : Hall 5)**

Coordinator : S.A. Bhardwaj, Director (T), NPCIL

S.A. Bhardwaj	Director (T), NPCIL, Mumbai, India	Realizing Vision of Dr. Homi Bhabha – First Stage of Nuclear Power Programme
P.D. Krishnani	Head, RPDD, BARC, Mumbai, India	Design of a Thorium Fuelled Advanced Heavy Water Reactor
S.C. Chetal	Director, REG, IGCAR, Kalpakkam, India	The Design of the 500 MWe Prototype Fast Breeder Reactor

**Side Event 3 : Fast Reactor Fuel Cycle (Venue : Hall 6)**Coordinator : P.R. Vasudeva Rao, Director, CG, IGCAR and  
R. Natarajan, Director, RG, IGCAR

H.S. Kamath	Director, NFG, BARC, Mumbai, India	Development of Fast Reactor Fuels for Indian Nuclear Power Programme
R. Natarajan	Director, RG, IGCAR, Kalpakkam, India	Technology Development of Fast Reactor Fuel Reprocessing Technology in India
A.V. Bychkov	Director of Research Institute of Atomic Reactors, Russia	Current Status of Development in Dry Pyroelectrochemical Technology of SNF Reprocessing
C. Ganguly	IAEA, Vienna, Austria	Recent Developments on Fast Fuels and Fuel Cycle Activities

**Side Event 4 : Nuclear Agriculture (Venue : Hall 4)**

Coordinator : S.F. D'Souza, Associate Director, BMG, BARC

Ronald F. Eustice	Executive Director, Minnesota Beef Council, USA	Why is there so much Hunger in a World of Plenty ? What can we do about it ?
S. Mohan Jain	University of Helsinki, Finland	Application of Radiation Induced Mutations in the Improvement of Vegetatively Propagated Crops
S F. D'Souza	Associate Director, BMG, BARC, Mumbai, India	Radiation Technology for Development of improved Crop Varieties
A.K. Sharma	Head, FTD, BARC, Mumbai, India	Radiation Processing of Food and Agricultural Commodities: Opportunities and Challenges
Yohan Yoon	Korea Atomic Energy Research Institute, Korea	Use of High Dose Irradiation for Development of Special Purposed Foods

**Side Event 5 : Waste Management Strategies (Venue : Hall 5)**

Coordinator : P.K. Wattal, Head, BETDD, BARC

K. Balu	Former Director, NRG BARC, Mumbai, India	Sustainable Waste Management for Indian Nuclear Power Programme
G.B. Borisov	Russia	Elaboration and Application Perspectives of Small- Scale Facilities for Immobilization of Liquid HLW
P.P. Poluektov	Russia	Status and Strategies in Radioactive Waste Management in the Russian Federation
S.D. Misra	Director, NRG, BARC, Mumbai, India	Back End of Nuclear Fuel Cycle: Indian Scenario
P.K. Dey	Head, FRD, BARC, Mumbai, India	Thorium Fuel Cycle - Status and Developments

**Side Event 6 : Materials for Fusion Technology (Venue : Hall 6)**

Coordinator : A.K. Suri, Director, Materials Group, BARC

Richard J. Kurtz	Pacific Northwest National Laboratory, Washington, USA	Structural Materials Challenges for Fusion Power Systems
J.E. Freibergs	University of Latvia, Latvia	Industrial Production Technology of Lead-Lithium Alloy
E. Platacis	University of Latvia, Latvia	Liquid Metal Research Activities at Institute of Physics, University of Latvia
V.M. Chernov	AAB Research Institute of Inorganic Materials, Russia	Requirements & Problems for Structural Materials for Fusion Power Reactors
Pascal Garin	IFMIF/EVEDA Project Team, Japan	IFMIF, a Major Facility for the Fusion Programme

**Side Event 7 : Accelerator Driven System (Venue : Hall 4)**

Coordinators: P.K. Nema and P. Singh, BARC

Hamid Ait Abderrahim	Director, Adv.NS, SCK.CEN Belgium	Technology Developments for the Realization of ADS: Current Status & Feasibility
Tsujimoto Kazufumi	Japan Atomic Energy Agency, Japan	Role of Accelerator Driven System in Partitioning and Transmutation in Future Nuclear Cycle
Carlo Artioli	ENEA, Bologna, ITALY	Minor Actinides Burning in the 42-0 Concept: The EU "EFIT" (European Facility for Industrial Transmutation) ADS
P. Singh	NPD, BARC, Mumbai, India	R&D Programme on ADS for utilization of Thorium as Nuclear Fuel

**Side Event 8 : Recent Developments in Radiotherapy (Venue : Hall 5)**

Coordinator : Rajiv Sarin, Director, ACTREC

B.A. Krishna	Head, NMD, Hinduja Hospital, Mumbai, India	Redefining Disease through Advances in Nuclear Medicine
G.K. Rath	Director, IRCH, AIIMS, New Delhi, India	Radiation Oncology Services in India : The Emerging Scenario
S.K. Srivastava	Head, DRO, TMH, Mumbai, India	'Bhabhatron' - A Step in Realizing Bhabha's Vision for Cancer radiotherapy
S. Basu	RMC, BARC, Mumbai, India	PET based Personalised Medicine in Gastrointestinal Malignances and the Will Rogers Phenomenon

**Side Event 9 : Nuclear Energy Growth & Public Perception (Venue : Hall 6)**

Coordinator : S.K. Malhotra, Head, PAD, DAE

K.S. Parthasarathy	Former Secretary, AERB, Mumbai India	Perceptions on Nuclear Energy : Scientists, Media and the Public
V. Raghuraman	Former Advisor, CII, Delhi, India	Securing India's Energy Future
Siddarth Varadarajan	The Hindu Group, Chennai, India	–

**Conference Web-site:**<http://sites.google.com/site/peacefulatom2009>[peacefulatom2009@gmail.com](mailto:peacefulatom2009@gmail.com)