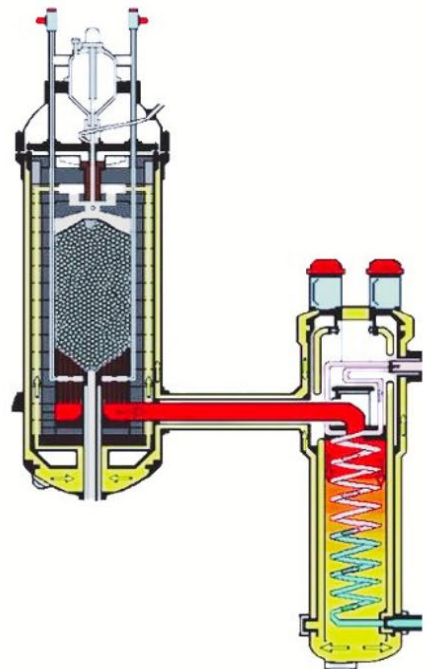


# High-Temperature Gas-Cooled Reactor (HTGR) Workshop

18-20 March 2024  
Online



## Programme

Day 1: Monday, 18 March 2024

11:10-11:30 (GMT+1): Connection

11.30-11.50 (GMT+1): Welcome and opening of the conference

**Workshop Chair:** MDEP Chair Alexey Ferapontov

### Keynote speakers:

- NEA Director General William, D. Magwood, IV
- NNSA Deputy Director General Mr Hou Yingdong, People's Republic of China

11.50-13.10 (GMT+1): Session 1 – Verification and validation (V&V) computer benchmarking for HTGRs

**Moderator:** CEO of Mozweli, Dr Dudley, S. Africa

Panellists:

- Jan Jansen von Vuuren, Senior Systems Engineer, Mozweli, S. Africa
- Sergey Rogozhkin, Division Head, Division for Physical and Thermohydraulic Calculations of Stationary Reactor Installations, OKBM, Russia

### Q&A discussion

13.10-13.40 (GMT+1): Coffee break

13.40-15.00 (GMT+1): Session 2 – Fuel safety

**Moderator:** CEO of Mozweli, Dr Dudley, S. Africa

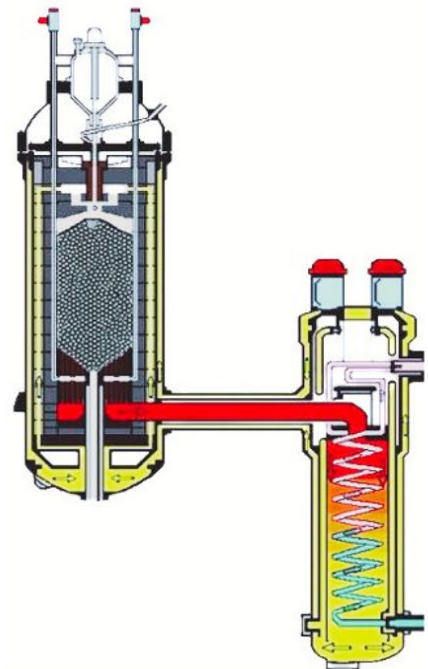
Panellist: Orion Phillips, Nuclear Power Plants Executive, NNR, S. Africa

### Q&A discussion

15.00-15.05 (GMT+1): Closing – Day 1

# High-Temperature Gas-Cooled Reactor (HTGR) Workshop

18-20 March 2024  
Online



Day 2: Tuesday, 19 March 2024

11:15-11:30 (GMT+1): Connection

11.30-12.30 (GMT+1): Session 3 – Research needs relevant to HTGR

**Moderator: Tatiana BOGDANOVA, Division Head, Department for Safety Regulation of NPPs and Research Nuclear Installations, Rostechndzor, Russia**

Panellist: Grigoriy Kodochigov, Head of the Design and Layout Division for the development of industrial, high-temperature and research reactor installations, OKBM, Russia

**Q&A panel discussion**

12.30-12.45 (GMT+1): Coffee break

12.45-13.45 (GMT+1): Session 4 – Probabilistic Safety Assessment (PSA) first-of-a-kind (FOAK) HTGR

**Moderator: Tanju Sofu, Program Manager, Advanced Reactor Modelling and Licensing, Argonne National Laboratory, USA / GIF representative**

Panellist: Gong Yu, Senior Engineer, Nuclear and Radiation Safety Center, Nuclear and Radiation Safety Center of MEE, People's Republic of China

**Q&A panel discussion**

13.45-14.00 (GMT+1): Coffee break

14.00-15.00 (GMT+1): Session 5 – Defense in depth (DiD) principles applicability to HTGR

**Moderator: Vincenzo Tiberi, Nuclear Safety Officer, IAEA**

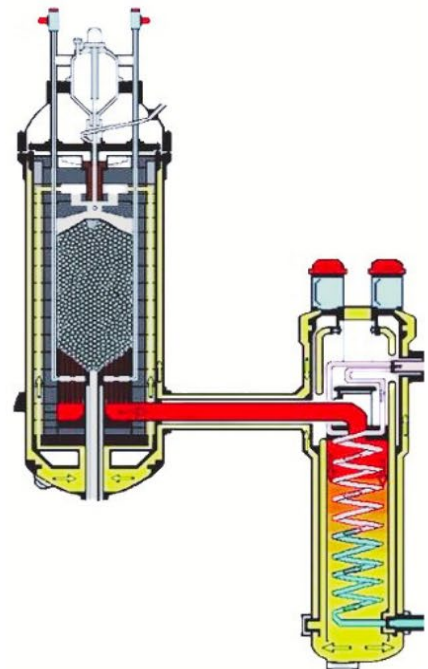
Panellist: Andre Botha, Mechanical Engineering Principal Specialist, RITS-ES, NNR, S. Africa

**Q&A discussion**

15.00-15.05 (GMT+1): Closing – Day 2

# High-Temperature Gas-Cooled Reactor (HTGR) Workshop

18-20 March 2024  
Online



Day 3: Wednesday, 20 March 2024

**11:15-11:30 (GMT+1): Connection**

**11.30-12.30 (GMT+1): Session 6 – Materials selection for HTGR reactor and primary and secondary circuit**

Strength and lifespan of selected materials, considering the elevated temperatures of HTGR and taking into account the neutron flux (fluence)

**Moderator: Alina Constantin, HTGR Project Officer, IAEA**

Panellist: Shaoyang Jiao, PH. D, professor senior engineer from CNPE, People's Republic of China

**Q&A panel discussion**

**12.30-12.45 (GMT+1): Coffee break**

**12.45-13.45 (GMT+1): Session 7 – Existing regulatory framework for addressing the specific safety requirements of HTGR**

**Moderator: Alexander IZMAILOV, Deputy Division Head, Division for the Document Development, SEC NRS, Russia**

Panellists:

- Ohashi Hirofumi, Deputy Director, HTGR Project Management Office JAEA, Japan/GIF representative
- Sergey Sinegribov, Head of the Laboratory, Laboratory for Safety of Innovative Nuclear Installations, SEC NRS, Russia

**Q&A discussion**

**13.45-14.00 (GMT+1): Coffee break**

**14.00-15.00 (GMT+1): Session 8 – Conclusion session**

**Moderator: Alexey Ferapontov, MDEP Chair**

Panellists: presenters and moderators

**Q&A discussion**

**15.00-15.10 (GMT+1): Closing the workshop**