

Session Program

28–31 Oct 2025

Technical Meeting on Advanced Technology Fuels: Progress on their Design, Manufacturing, Experimentation, Irradiation, and Case Studies for their Industrialization, Safety Evaluation, and Future Prospects

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Vienna International Center
IAEA Headquarters, Vienna, Austria (and virtual participation)

Thursday 30 October

11:40

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Session | **Location:** Vienna International Center, IAEA Headquarters, Vienna, Austria (and virtual participation)

11:40–12:10

FUEL SAFETY EVALUATION METHODOLOGY FOR ATFS UNDER LOSS-OF-COOLANT ACCIDENTS

Speaker

JINZHAO ZHANG

12:10–12:35

Towards RIA simulations of ATF fuel in large and small modular water cooled reactors by means of TRANSURANUS

Speaker

Paul Van Uffelen

14:00–14:25

Advancements in hydrogen-based transient cladding strain limits to support accident tolerant fuel

Speaker

Michael Orner

14:25–14:50

DEVELOPMENT OF A LOCA FUEL SAFETY EVALUATION METHODOLOGY FOR CR-COATED CLADDING ATF - TRACTEBEL Contribution to IAEA CRP ATF-TS (2021-2024)

Speaker

JINZHAO ZHANG

14:50–15:15

SUMMARY OF NEA WORKING GROUP FOR FUEL SAFETY'S TECHNICAL OPINION PAPER ON ATF

Speaker

Lisa Gerken

15:45–16:10

EATF safety benefit: EDF point of view.

Speakers

Dr Anthony Dyan, Antoine ambard

16:10–16:35

IAEA PRESENTATION ON FUEL SAFETY ACTIVITY

Speaker

Mr Surik BZNUNI

16:35–17:00

Constraints Involved in Safety Review of Accident Tolerant Fuels - Pakistan's Perspective

Speaker

Hamid Raza

17:00–17:30

Discussion on ATF Safety Analysis and Licensing Practices. The recommendations for future activities on the topic, including CRP

17:30