

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

3

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

Wednesday 29 October

16:00

3

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

16:00–16:30

IAEA ATF BENCHMARK OF FUEL ROD CODES FOR SIMULATION OF SELECTED SEPARATE EFFECT TESTS

Speaker

Antoine Bouloré

16:30–17:00

IAEA ATF-TS benchmark for simulation of bundle tests

Speaker

Juri Stuckert

17:00–17:30

MODELLING OF ATF MICRO-CELL UO₂ FUEL BEHAVIOUR UNDER IRRADIATION Impact of thermal conductivity on expected thermal-mechanical behavior under irradiation

Speaker

Veronica D'AMBROSI

17:35

Thursday 30 October

09:00

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

09:00–09:25

THE IPEN/CNEN (BRAZIL) CONTRIBUTION TO ATF-TS CRP**Speaker**

Dr Alfredo Abe

09:25–09:50

STATUS OF FUEL AND THERMAL HYDRAULIC COUPLED ANALYSIS IN KOREA**Speaker**

HYO CHAN KIM

09:50–10:15

MANDREL TEST SIMULATION USING THE TRANSURANUS CODE: INSIGHTS FROM AN OFFERR PROJECT**Speaker**

Dr Paul Van Uffelen

10:45–11:10

FINITE ELEMENT SIMULATION OF MANDREL TEST WITH ATF CLADDING**Speaker**

Hamidreza Yousefi

11:10–11:40

Discussion

11:40