The purpose of the event is to highlight the mission enabling potential of nuclear fusion and plasma for space applications. The format will be a series of 4 talks (25 min each) with moderate technical level, followed by a 30 min Q&A at the end. Total of 2 hours and 10 minutes.

Aalap Vyas, The University of Alabama in Huntsville (USA)
*The potential performance gains of fusion rockets in comparison to other space propulsion technologies*

You Setthivoine, Helicity Space (USA)
*Helicity Space’s fusion propulsion technology now under development*

16:20–16:45 CEST / 10:20–10:45 ET
Fatima Ebrahimi, Princeton Plasma Physics Laboratory (USA)
*Spacecraft propulsion based on magnetic reconnection*

16:45–17:10 CEST / 10:45–11:10 ET
Vasco Guerra, Instituto Superior Técnico (Portugal)
*Plasmas for in situ resource utilization on Mars: Fuels, life support, and agriculture*

17:10–17:40 CEST / 11:10–11:40 ET
Q&A and Panel Discussion
*The types of exotic space missions which become possible with nuclear fusion- and plasma-based technologies. Enabling scientific/technical innovations.*

**Moderators**
Matteo Barbarino, IAEA
Christopher Faranetta, NearStar Fusion Inc.