

CALL FOR PAPERS

10<sup>TH</sup> EDITION OF THE  
SPACE PROPULSION  
CONFERENCE

20  
SPACE  
PROPULSION  
26

18-21 MAY 2026  
BARI • ITALY

[WWW.3AF-SPACEPROPULSION.COM](http://WWW.3AF-SPACEPROPULSION.COM)

ABSTRACT DEADLINE  
03 NOVEMBER 2025



Association Aéronautique  
et Astronautique de France



Following nine editions of growing success, 3AF - Association Aéronautique et Astronautique de France, and Agencies, ESA, CNES and ASI are pleased to announce:

## SPACE PROPULSION 2026

The tenth of a series of international conferences on technical and programmatic aspects related to the development and application of Space Propulsion technologies.

The SPACE PROPULSION Conference is the international forum supporting the preparation of future activities and roadmaps in all the fields of space propulsion.

During this edition, plenary roundtables will bring a specific focus on « **Challenging the scale economics and industrialisation for future propulsion in a competitive environment** ». As with the previous edition, EUCASS joins 3AF to organize a prospective session: “Reusable Propulsion as key factor for cost effective solutions”

The programme of the event highlights programmatic and technical issues and promotes exchange of views and information in the two main areas of propulsion for spacecraft and for space transportation.

More than 700 professionals from over 30 countries are expected at the event, including engineers and scientists from government, university and industry. This event is a unique opportunity to discover innovative solutions and implement fruitful exchanges between colleagues of different countries and disciplines.

## SPACE PROPULSION 2026 WILL BE ORGANIZED AROUND

- **An opening day dedicated to plenary sessions and round tables** during which agencies' general directors, industry, integrators and equipment manufacturers will be invited to speak.
- **Up to 4 days dedicated to technical presentations and plenary sessions.**
- **A hall reserved to sponsors and exhibitors** to showcase their innovation, research, technology and latest technical results. For optimum visibility during the event, this exhibition space is situated at the heart of the conference centre.
- As with the last edition, a **start-up contest** will be conducted to shed light on innovative technologies and breakthrough projects.

## WELCOME TO THE SPACE PROPULSION 2026 CONFERENCE !

Jean-François GUERY, ArianeGroup - Jamila MANSOURI, ESA - Giorgio SACCOCCIA, 3AF  
Conference Chairs

[WWW.3AF-SPACEPROPULSION.COM](http://WWW.3AF-SPACEPROPULSION.COM)



### FLASHBACK ON THE LAST EDITION

In 2024, the SPACE PROPULSION Conference was organised in Glasgow, UK.

The conference gathered 710 participants from 34 different countries and nearly 180 different entities, 40 exhibitors, 99 technical sessions and about 350 presentations.

This achievement was possible thanks to the participation of a large number of top-ranking delegates from the international sector (Head of Agencies, Space Operators, Industry CEOs), European and International Agencies and Industry support and to a great number of highquality papers presented throughout the event.

# SPACECRAFT & ORBITAL PROPULSION

For the area of application to spacecraft, Space Propulsion 2026 is soliciting abstracts on the following subjects:

- Chemical spacecraft propulsion systems
- Electrical spacecraft propulsion systems
- Advanced spacecraft propulsion systems
- Propulsion components
- Integrated & miniaturised modules or sub assemblies
- Production, manufacturing, material & processes
- Development and qualification programs
- Overview of current programmes (requirements, roadmaps, solutions)
- AIV issues and tools (facilities diagnostics, methodologies)
- Flight testing and experience (operations, lessons learned, feedback from in flight failure and anomalies, satellite passivation and deorbiting strategies)
- Technology building blocks for future spacecraft propulsion systems including exploration
- Green Propulsion & New Propellants for spacecraft (ongoing programmes and applications, R&D)
- Rocket propulsion & global environment (REACH, impact of new regulations)
- Cost-related aspects of spacecraft propulsion
- Flow and Systems Modelling (all propulsion systems design and performance evaluation)
- EP Thruster Plasma Modelling (inside thruster and interaction with s/c)
- Theoretical performance vs status of technology: how to push the limits (materials, design solutions, efficiency/specific weight, energy generation cycles, etc)
- Game changers (constellations, small sats, private initiatives, additive manufacturing use...)
- Reusability
- LEAN principles applied in Space Propulsion (low volume)
- Synergies between spacecraft and launcher propulsion developments

## SPACECRAFT PROPULSION TECHNICAL COMMITTEE MEMBERS

|                         |           |  |                  |         |                        |                  |          |                           |
|-------------------------|-----------|--|------------------|---------|------------------------|------------------|----------|---------------------------|
| <b>DUCHEMIN</b>         | Olivier   | Safran Spacecraft<br>Propulsion - Co-president | <b>COXHILL</b>   | Ian     | Nammo                  | <b>MANSOURI</b>  | Jamila   | ESA                       |
| <b>GONZALEZ DEL AMO</b> | Jose      | ESA - Co-president                             | <b>DEMAIRÉ</b>   | Alain   | OHB Sweden AB          | <b>MURRAY</b>    | Jordan   | NAMMO                     |
| <b>GOTZIG</b>           | Ulrich    | ArianeGroup - Co-president                     | <b>DINGERTZ</b>  | Wilhelm | ECAPS                  | <b>NAGATA</b>    | Taiichi  | JAXA                      |
| -----                   |           |  | <b>FERNANDEZ</b> | Victor  | ESA                    | <b>PACKAN</b>    | Denis    | ONERA                     |
| <b>ALFANO</b>           | Simone    | CNES   | <b>FORD</b>      | Mark    | ESA                    | <b>PERTOSA</b>   | Chiara   | Sitael                    |
| <b>BALIKA</b>           | Lahib     | TAS-UK   | <b>FORMARO</b>   | Roberto | ASI                    | <b>PEUKERT</b>   | Markus   | OHB System AG             |
| <b>BANGALORE</b>        | Prashanth | Agile Space Industries                         | <b>GARBAYO</b>   | Alberto | URA Thrusters          | <b>POLK</b>      | James E. | Jet Propulsion Laboratory |
| <b>BOUDENA</b>          | Laura     | Safran Space                                   | <b>GHIDINI</b>   | Tommaso | ESA                    | <b>POPOV</b>     | Garri    | RIAME                     |
| <b>BRAYFORD</b>         | Joshua    | UKSA   | <b>GOODBURN</b>  | Stephen | Airbus                 | <b>SACCOCCIA</b> | Giorgio  | ESA                       |
| <b>CASSADY</b>          | Joe       | AEROJET  | <b>GREGUCCI</b>  | Stefan  | SITAEAL                | <b>SCHMIDT</b>   | George   | NASA                      |
| <b>COATES</b>           | Matt      | LMO  | <b>KEICHI</b>    | Hori    | Rocket Link Technology | <b>SHIIKI</b>    | Shohei   | IHI Aerospace             |
| <b>COLETTI</b>          | Michele   | ESA  | <b>KREJCI</b>    | David   | ENPULSION              | <b>STEEHLANT</b> | Johan    | ESA                       |
|                         |           |  | <b>MANFLETTI</b> | Chiara  | NEURASPACE             | <b>VAUDOLON</b>  | Julien   | Exotrail                  |

# PROPULSION FOR SPACE TRANSPORTATION

For the area of application to space transportation systems, Space Propulsion 2026 is soliciting abstracts on the following subjects (some topics include a non-exhaustive list of more detailed themes as guidance for abstract submission):

- Propulsion sub-systems and components (turbo machinery, thrust chambers, nozzles, LH2 fluid bearings, open impeller integration in turbo pumps, etc)
- Production and manufacturing issues (large boosters, components, etc)
- Liquid, Solid, Hybrid, Gel and Air-breathing Propulsion Systems for Launcher and Upper Stages (full expander cycle vs expander bleed cycle: advantages and limits, rocket engine reliability estimation, composite casing experience and future evolutions, idle mode or high throttling mode of rocket engines)
- Overview of current programmes (requirements, roadmaps, solutions)
- AIV issues and tools (facilities diagnostics, methodologies, telemetry and other advance measurement techniques)
- Flight testing and experience (operations, lessons learned, feedback from in flight failure and anomalies, satellite passivation and deorbiting strategies)
- Green Propulsion & New Propellants for Space Transportation (ongoing programmes and applications, R&D)
- Technology building blocks for Future Space Transportation Propulsion Systems: Launchers, Exploration platforms & Space Tourism (cryogenic long term storage in space, fluid transfer, etc)
- Rocket propulsion & global environment (REACH, impact of new regulations, dismantling of unused SRMs)
- Low Cost Access to Space, including operation aspects
- Modelling (CFD & validation of cryogenic, liquid, solid, hybrid; application to rocket engines, fluid management in micro gravity, combustion instabilities, etc)
- Pressure-Thrust oscillations issues (in-flight measurements, multi- physics coupling modelling, etc)
- Impact of new requirements and regulations on design (debris mitigation, REACH, ...)
- Health monitoring

## SPECIAL TOPIC WITH EUCASS : REUSABLE PROPULSION AS KEY FACTOR FOR COST EFFECTIVE SOLUTIONS

Reusability is a possible answer to the challenge of sustainability and cost reduction but How to design reusable and easy-to-maintain propulsion systems? How will Spacecraft propulsion systems adapt to in orbit refueling?

## PROPULSION FOR SPACE TRANSPORTATION TECHNICAL COMMITTEE MEMBERS

|                       |           |                           |                  |               |                                 |                     |          |                                       |
|-----------------------|-----------|---------------------------|------------------|---------------|---------------------------------|---------------------|----------|---------------------------------------|
| <b>BOIRON</b>         | Adrien    | Maia Space - Co-president | <b>FUESER</b>    | André         | ArianeGroup                     | <b>PEDRINI</b>      | Daniela  | SITAEAL                               |
| <b>CAVALLINI</b>      | Enrico    | ASI - Co-president        | <b>GIRARD</b>    | Nathalie      | CNES                            | <b>PESSANA</b>      | Mario    | TAS                                   |
| <b>VIGIER</b>         | Gilles    | 3AF - Co-president        | <b>GORDON</b>    | Emilio        | SwRI                            | <b>PREVOST</b>      | Lilian   | CNES                                  |
| -----                 |           |                           | <b>GUERY</b>     | Jean-François | ArianeGroup                     | <b>RUMEAU</b>       | Nicolas  | ArianeGroup                           |
| <b>ANTHOINE</b>       | Jérôme    | ONERA                     | <b>KARA</b>      | Ozan          | Technology Innovation Institute | <b>SCHLECHTRIEM</b> | Stefan   | DLR                                   |
| <b>BETTI</b>          | Francesco | AVIO                      | <b>KAWASHIMA</b> | Hideto        | JAXA                            | <b>SCHNEIDER</b>    | Dirk     | ESA                                   |
| <b>BOURY</b>          | Didier    | ArianeGroup               | <b>KUMADA</b>    | Nobuhiko      | MHI                             | <b>SUDAKOV</b>      | Vladimir | NPO Energomash                        |
| <b>BRETEAU</b>        | Jérôme    | ESA                       | <b>MADDALI</b>   | Preetham      | Nammo                           | <b>THIEL</b>        | Markus   | ArianeGroup                           |
| <b>CIEZKI</b>         | Helmut    | DLR                       | <b>MOSSOLOV</b>  | Serguei       | Keldysh Centre                  | <b>VALÈS</b>        | Marc     | Dassault Aviation                     |
| <b>CLIQUET MORENO</b> | Elisa     | CNES                      | <b>NARAYANAN</b> | V.            | LPSC/ISRO                       | <b>VELANDER</b>     | Martin   | GKN Aerospace                         |
| <b>DI CLEMENTE</b>    | Marco     | ASI                       | <b>ORDONNEAU</b> | Gérard        | ONERA                           | <b>ZHENG</b>        | Riheng   | Chinese Society of Astronautics (CSA) |
| <b>DUPONT</b>         | Cédric    | The Exploration Company   | <b>PALMNÄS</b>   | Ulf           | Palmnäs & co                    |                     |          |                                       |
| <b>FLOCK</b>          | Andreas   | DLR                       |                  |               |                                 |                     |          |                                       |

## CONFERENCE SCHEDULE

|   |                  |   |                  |
|---|------------------|---|------------------|
| Call for Papers Opening .....               | 01 July 2025     | Online registration opening .....                                 | 02 February 2026 |
| Deadline for Abstracts .....                | 03 November 2025 | Deadline for papers<br>and/or Confirmation of Participation ..... | 30 March 2026    |
| Notification of acceptance to authors ..... | 12 January 2026  | SPACE PROPULSION 2026 .....                                       | 18-21 MAY 2026   |
| Preliminary programme .....                 | 02 February 2026 |   |                  |

## CALL FOR PAPERS

### ADVICE TO AUTHORS

- The main purpose of the abstract is to give the Technical Committee information to assist them in selecting the papers to be presented at the conference.
- The selected papers will be presented in a 20 minutes speech at the conference.
- An abstract will be selected based on the importance and originality of the subject addressed, on its relevance to the conference theme, on the clarity of its expression.
- The abstract should be a "stand alone" summary that can be used in the compilation of abstracts.
- The abstract should be in English and no longer than 500 words.
- The abstract should summarize the main objectives of the paper to be presented and outline its conclusions.
- Work that has been presented elsewhere, and not updated, will be considered inappropriate.
- All abstracts should be submitted on [www.3af-spacepropulsion.com](http://www.3af-spacepropulsion.com), before 3<sup>rd</sup> November 2025.

### NOTIFICATION OF ACCEPTANCE/REFUSAL

The organizing committee will notify all authors of its decision by 12 January 2026. This notification will be accompanied by detailed instructions allowing authors to prepare and send their paper to the 3AF secretariat by 30 March 2026. Please note that failure to comply with the deadlines will entail your presentation to be removed from the official program.

### DIGITAL OBJECT IDENTIFIER – DOI

Once the final paper is confirmed, registered authors will have the opportunity to get a DOI reference for their publications on SP2026.

### LANGUAGE

Please note that the official language for the conference will be English. All presentations and documents must be in English.

## CONFERENCE VENUE

Space Propulsion 2026 will be held at Nueva Fiera del Levante, a modern seafront venue in the center of Bari.

Lungomare Starita, 4, 70132 Bari, Italy  
<https://fieradellevante.it/>



## ACCESS

Bari Karol Wojtyła International Airport (BRI) is located approximately 10 km from Bari city center. 20 minutes by taxi to city center or Congress Center (Taxi 30€ / Public transport 1,50€) Bus shuttle service (Tempesta or AMTAB) runs approximately every 40–60 minutes.

Flight durations to Bari (direct flights, approximate):

|                    |      |                 |      |
|--------------------|------|-----------------|------|
| • Paris : .....    | 2h15 | • Lisbon: ..... | 3h15 |
| • Amsterdam: ..... | 2h30 | • Rome: .....   | 1h05 |
| • Berlin: .....    | 2h00 | • London: ..... | 2h55 |

For more information on air traffic, please visit: <https://www.aeroportidipuglia.it/bari>  
Italy is part of the Schengen Area. European Union citizens may travel using either a valid passport or national identity card. Travelers from non-Schengen countries must present a valid passport, typically valid for the duration of the stay.

## EVENT LOCATION & ACCOMMODATION

Fiera del Levante is a landmark venue on the Adriatic coast, offering flexible spaces ideal for international congresses, exhibitions, and business meetings.

### Many advantages:

- Modern and spacious, with seafront views
- Only **15–20 minutes from Bari Airport**
- Easy access to public transport and taxis
- Located **10 minutes from Bari Centrale** (main train station)
- Several hotels (3\* & 4\*) **within 5–10 minutes by car**
- Over **6,000 hotel beds within 2km** of the venue
- Walkable distance to Bari's historic center and waterfront for **social programme venues**

Learn more about Bari here: <https://www.viaggiareinpuglia.it/at/5/bari>



## STEERING COMMITTEE

Marco **DI CLEMENTE** (ASI)  
Tommaso **GHIDINI** (ESA)  
Jean-François **GUERY** (ArianeGroup)  
Didier **MALET** (3AF)  
Jamila **MANSOURI** (ESA)  
Chiara **PERTOSA** (Sitael)  
Giorgio **SACCOCCIA** (ESA/3AF)

## CONFERENCE SECRETARIAT

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## EXHIBITION

If you are interested in receiving the exhibition opportunities details, please contact Jennifer **SAVINA**  
Mob : +33 (0)6 09 42 83 88  
Email: [event@3af.fr](mailto:event@3af.fr)