6TH SPACE PASSIVE COMPONENTS DAYS

SPCD 2026: Briefing & Instructions

13–16 October 2026

ESA/ESTEC — Noordwijk, The Netherlands





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EEE Engineers – Passive Component Experts

European Space Agency (ESA)

Welcome to SPCD 2026

6TH SPACE PASSIVE COMPONENTS DAYS

13-16 Oct 2026 · ESA/ESTEC



JOINTLY ORGANISED BY

esa DLR cnes ESCC

Why SPCD matters?

- Bridges space industry, agencies, and academia in one forum.
- Focus on reliability, qualification, and new technologies for passive parts.
- Covers the full lifecycle: from technology development to supply-chain procurement.
- International symposium dedicated exclusively to exclusively to EEE Passive components for space. space.



SPCD Content

The full spectrum of passive-component technology!

Component Families

- Capacitors
- Resistors
- Inductors & Transformers
- Connectors & Cable Assemblies
- Relays & Switches
- Crystals & Resonators
- Oscillators
- Fuses
- Wires & Cables
- Heaters
- Thermostats
- Thermal Sensors & Thermistors
- Supercapacitors
- SAW Devices
- Piezo Elements
- Circulators & Isolators
- Power Dividers & Couplers
- RF Switches & Phase Shifters
- Loads & Attenuators
- Thermoelectric Coolers

Why Passive Components Matter?

>80% of EEE parts in spacecraft

Passive components represent more than 80% of EEE parts used in spacecraft, making their reliability and qualification critical to mission success.



Topics

- Application, Trends & Needs
- COTS
- Artificial Intelligence
- Evaluation & Qualification
- Lessons Learned & In-flight Experiences
- Materials & Processes
- New Developments
- Normative System & Standards
- Procurement & Distribution
- Technology Roadmaps
- Test, Reliability & Evaluation for Space

Partners & Sponsors

EPCI European Passive Components Institute
EEE SEMINAR

Positronic an Amphenol company
CONFERENCE BAGS

KYOCERA AVX
LEAFLET

SRT MICROCÉRAMIQUE MLCC CAPACITORS
COFFEE BREAKS

PERFORMANCE INTERCONNECT
GALA DINNER

Littelfuse Expertise Applied | Answers Delivered
WATER BOTTLES

Panasonic INDUSTRY
GALA DINNER

EATON Powering Business Worldwide
GALA DINNER

YAGEO GROUP KEMET
GALA DINNER

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CNES — France

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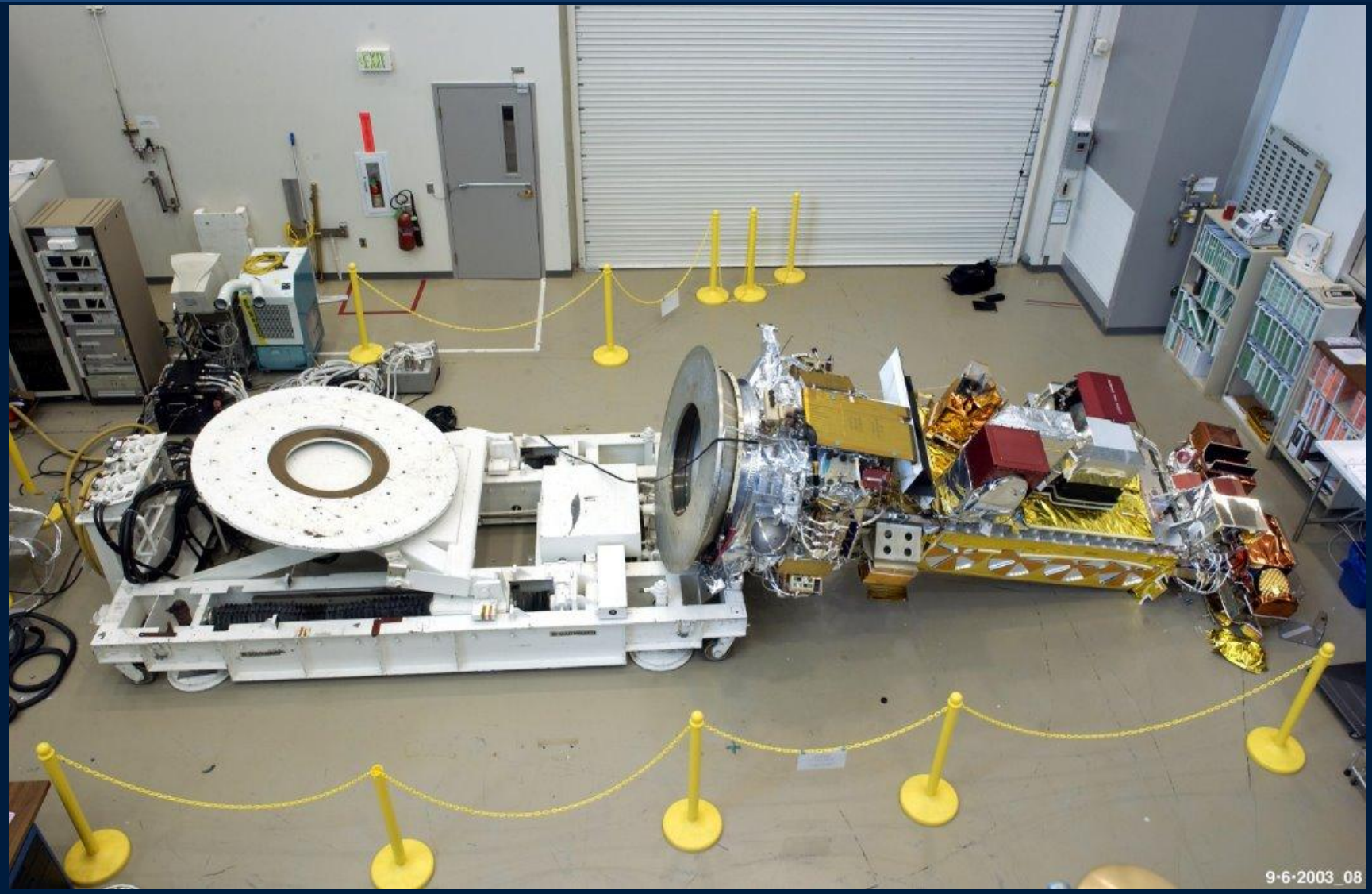
VICE-CHAIRPERSON
Léo Farhat
ESA/ESTEC — The Netherlands

International Committee Members

28 Experts

- **Simon Liller** ADS — UK
- **Andreas Billstrom** BG — SE
- **Juergen Riedinger** DLR TA— DE
- **Denis Lacombe** ESA — NL
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- **Vincent Laur** UBO — FR

Safety Instructions - Things don't always go as planned



Safety Instructions - This is how things should go!





Floor Plan

FOYER:
Vegan lunch bags



Library:
Regular lunch bags

Safety Instructions

- Attendees allowed only at areas labelled as

ESA SECURITY ZONE 1

- Examples: Newton, Einstein, coffee corner, main canteen, ESCAPE.



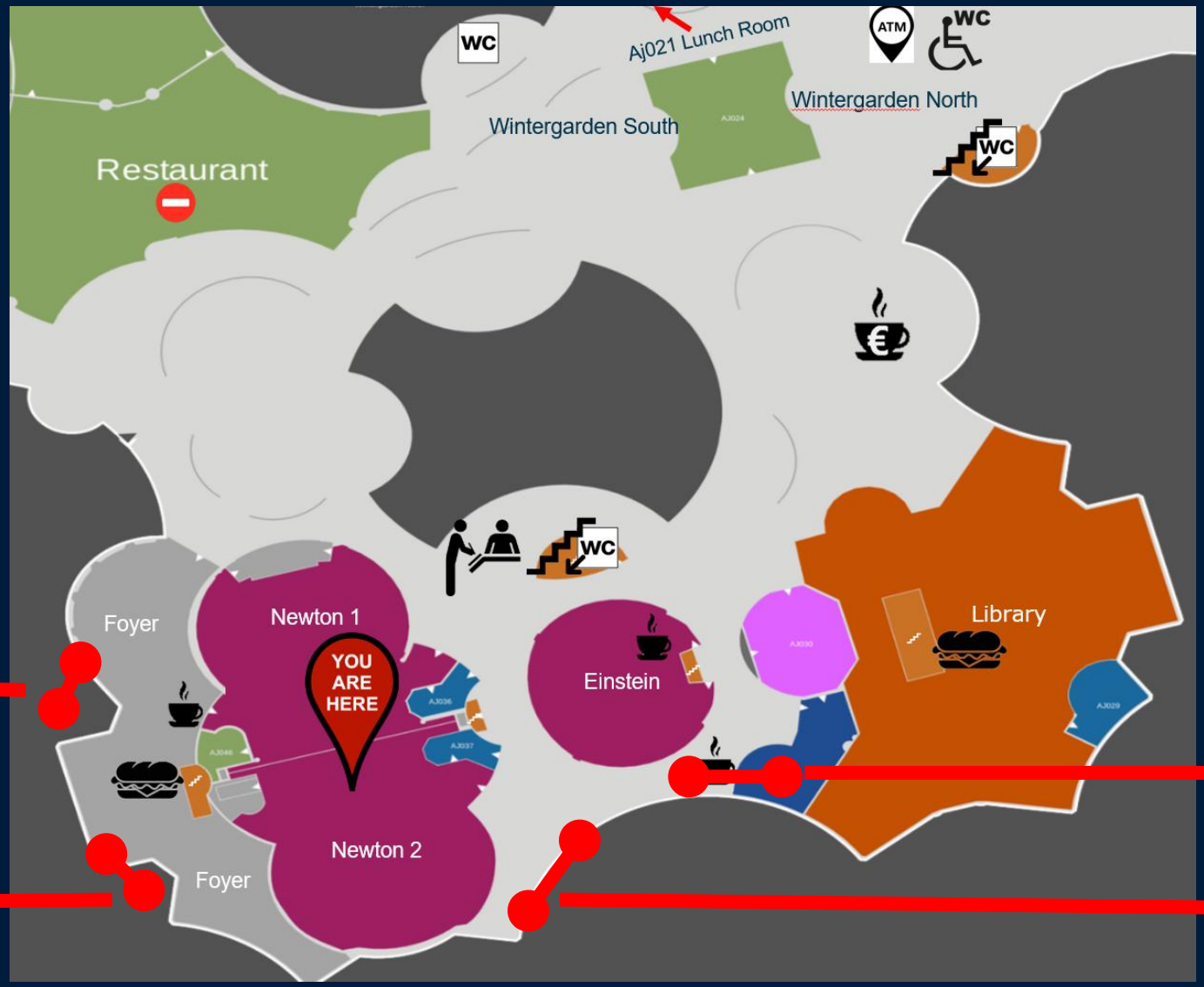
- In case of emergency:
  - Call **+31715653333**
  - Follow the ESA hosts and leave the building by the nearest **emergency exit**
  - Report to the outside assembly point at the ESCAPE football field





Safety Instructions

EMERGENCY EXITS



EMERGENCY EXITS

Safety Instructions







Backpack, Goodies & Badge









SPCD 2026: Technical Programme Overview

Oral Sessions: 31 Technical Presentations

- Each Presenter has 15 mins at his disposal plus 5 minutes for Q&A.

TAKE ACTION!

Please save a copy of the presentation material before each session.

Chairmen will give a 2-minute warning to wrap-up.

Manufacturers' Private Roadmaps

Closed-door sessions with 2 component manufacturers:

Wednesday 14th from 13:30 till 14:00 with Axon

Thursday 15th from 13:30 till 14:00 with Panasonic

TAKE ACTION!

Please register your participation at the Registration Desk before Lunch.

Technical Introduction of Components (TICs): 22 TICs

- Short Commercial pitch of 7min from Manufacturers

TAKE ACTION!

Please save a copy of the presentation material **before each session.**

Dedicated Poster Session: 9 Posters

- Wednesday 14th from 14:30 till 15:20

Interactive Panel Discussion: No EEE, No Sovereignty!

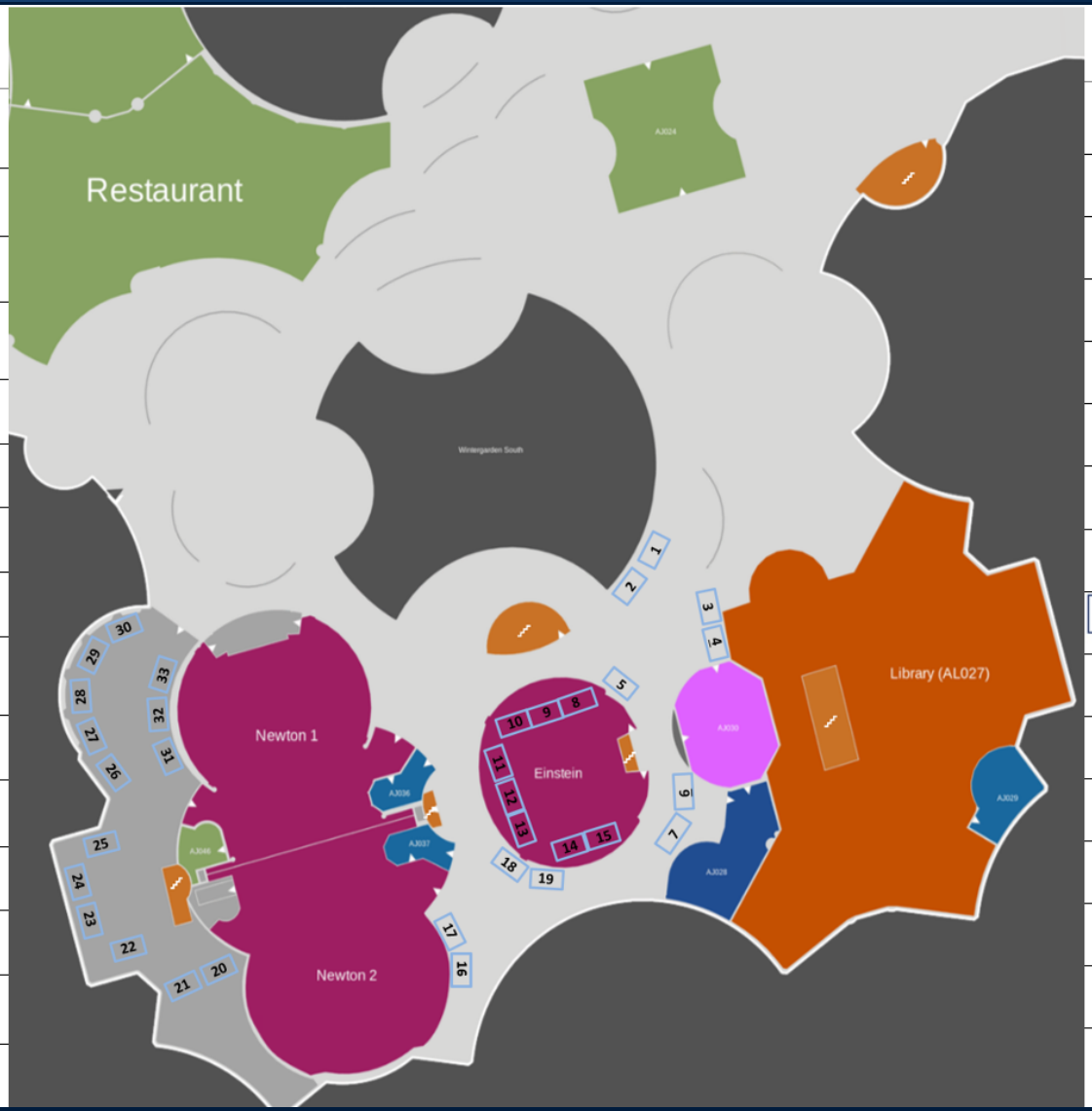
- Thursday 15 October from 17:00 till 18:00

Industrial Exhibition

- 33 Exhibitors are presenting their products and services

Exhibition Floor Plan

KYOCERA AVX	1
EATON Powering Business Worldwide	2
SRT MICROCÉRAMIQUE MLCC CAPACITORS	3
YAGEO KEMET	4
Littelfuse Expertise Applied | Answers Delivered	5
Positronic	6
Amphenol	7
FLUX	8
GORE	9
NICOMATIC	10
IST innovative Sensor Technology	11
ISOCOM LIMITED	12
SCHURTER ELECTRONIC COMPONENTS	13
Glenair	14
EXXELIA / CalRamic Technologies LLC	15
NDK	16



JAXA	17
PERFORMANCE INTERCONNECT	18
ALTER	19
smiths interconnect a molex company	20
molex	21
Radiall	22
PRESIDIO	23
exens SOLUTIONS	24
axon' cable & interconnect	25
Zoppas Industries Heating Element Technologies	26
Rosenberger	27
PAYTON PLANAR Innovation • Design • Performance	28
elemca TESTS ANALYSES EXPERTISE	29
Coilcraft	30
knowles	31
comtronic verbindungstechnik	32
VISHAY The DNA of tech.	33

Programme at a Glance

Wednesday 14 OCTOBER	Thursday 15 OCTOBER	Friday 16 OCTOBER
08:30 Registration	**09:00** Oral Sessions	**09:30** Oral Sessions
09:30 Welcome Speech		
10:10 Oral Sessions		
12:10 TICs	**11:30** TICs	**12:40** Closing Session & Award Ceremony AWARDS
13:00 Lunch	**13:00** Lunch	**13:00** Lunch
14:00 Private Roadmap	**14:00** Private Roadmap	
14:30 Poster Session	**14:30** Oral Sessions	
15:20 TICs		
16:00 Oral Sessions	**17:00** Interactive Panel Discussion « No EEE, No Sovereignty »	
18:00 Welcome Drink ESTEC Erasmus High Bay	**19:30** Gala Dinner · Beach Pavilion “De Zeemeeuw”	

Welcome Drink

Welcome Drink

Erasmus High Bay

ESTEC

Wednesday 14 October 2026 · 18:00

Refreshments and Snacks will be served during a Live music performance at ESTEC.



Erasmus High Bay Building



Schedule

- **18:00** — Aperitif
- **18:15** — SPCD Official Group Photo
- Refreshments & snacks served
- **21:00** — End of Welcome Drink

Gala Dinner

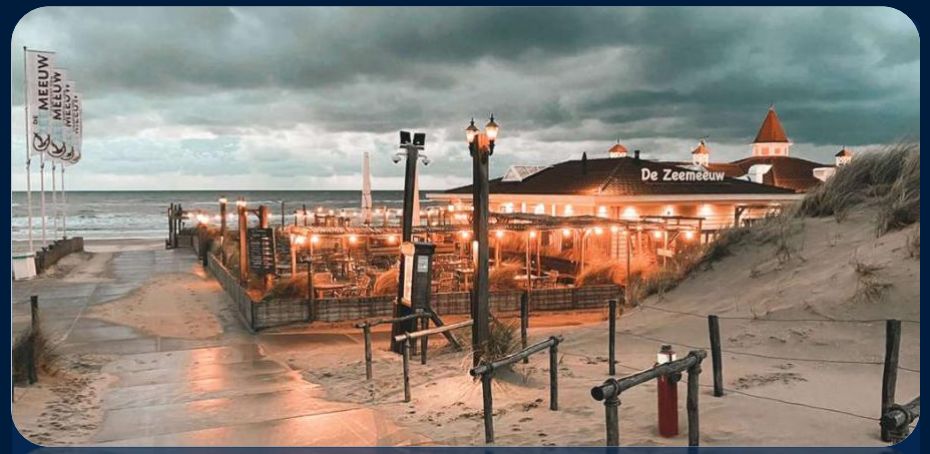
GALA DINNER

Beach Pavilion “De Zeemeeuw”

Kon. Wilhelmina Boulevard 108, Noordwijk

Thursday 15 October 2026 · 19:30

An evening of networking and fine dining on the Noordwijk beachfront.



De Zeemeeuw pavilion, Noordwijk beach



In front of the Lighthouse.



Evening Schedule

- **19:30** — Aperitif
- **20:00** — Seated dinner
- Beachfront venue, refreshments & snacks served
- **01:00** — End of Gala Dinner

Best Paper & Best Poster Awards

The SPCD Technical Programme Committee evaluates all submitted material to honour the most outstanding contributions.

Best Paper Award

Selection basis: Entirely on submitted material : Abstract, Full Paper, and **Presentation.**







Apple iPhone 17

The Award Ceremony will take place on Friday 16 Oct. 12:40 to hand over the special awards.

Best Paper & Best Poster Awards

The SPCD Technical Programme Committee evaluates all submitted material to honour the most outstanding contributions.

Best Poster Award

Selection basis: Entirely on submitted material : Abstract, Full Paper, and Poster.







Apple iPad Air 2026

The Award Ceremony will take place on Friday 16 Oct. 12:40 to hand over the special awards.

SPCD Fun Challenge : A new Enigma to Solve

The SPCD Technical Programme Committee evaluates all submitted material to honour the most outstanding contributions.

Fun Challenge

Guess it, Make the best/funniest Picture & Win the Wallet!

ESA and I have joined the scene,
To celebrate the future we've foreseen.

I come from a land far away,
Like a game we played back in the day.

Guess what I am,
A puzzle to unfold,
And the prize? A Secrid wallet,
Worth its weight in gold!

But there's a catch - you'll need to play:
Snap my charm in a funny way.

Share your picture, and you might get
The Secrid wallet - don't forget!



Secrid Wallet

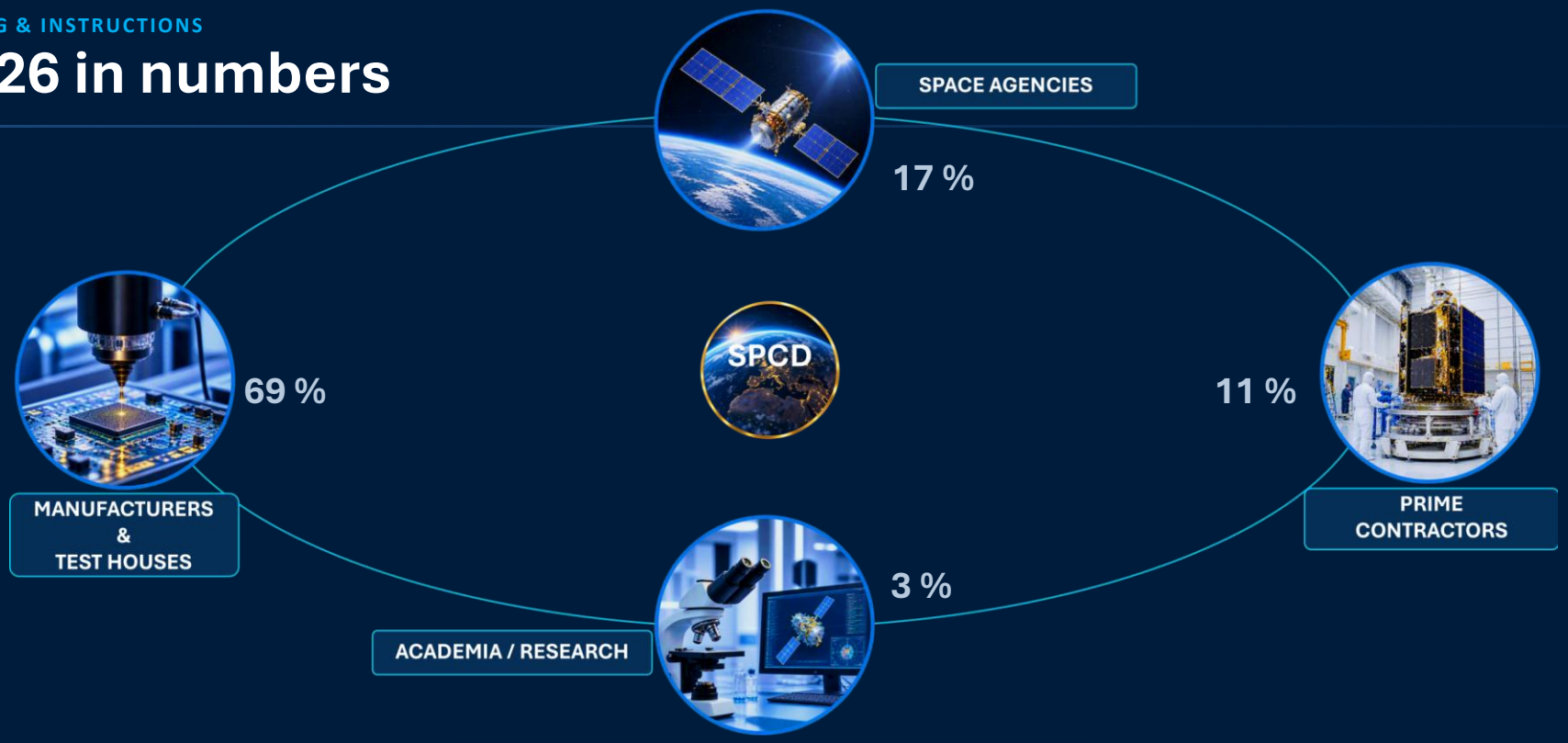
The Award Ceremony will take place on Friday 16 Oct. 12:40 to hand over the special awards.

Engage at #SPCD2026



#SPCD2026

SPCD 2026 in numbers



Participants 235

Countries 24

Sponsors 9

Oral Presentations 31
45 Received • 6 Cancelled • 8 Rejected

Posters 9
11 Received • 2 Canceled

TICs 22
30 Received • 2 Cancelled • 6 Rejected

Exhibition 33
9 Waiting List

Private Roadmaps 2

Interactive Panel
No EEE No Sovereignty



6TH SPACE PASSIVE COMPONENTS DAYS

SPCD 2026 - THANK YOU

13–16 October 2026

ESA/ESTEC — Noordwijk, The Netherlands

SPCD represents a great venue to discuss new technologies and challenges ahead.
We wish you can make the most of it!