

BANDO 17/2025 BUSTA 3

1. Il candidato descriva brevemente in quali modi la sinergia tra professionalità diverse possa contribuire al raggiungimento dei risultati scientifici in un progetto spaziale.
2. Il candidato descriva precedenti esperienze formative e/o lavorative
3. Quali sono i piani di attività dell'ASI.

IDONEITA CONOSCENZA LINGUA INGLESE - TRADURRE IL TESTO

Il candidato legga l'abstract dell'articolo e lo traduca:

The optocouplers under test were subjected to both TID and TNID radiation at the ENEA Calliope facility (gamma radiation) and at the ENEA Frascati Neutron Generator (FNG, neutron irradiation), respectively. The testing process involved exposing different lots of devices to incremental doses and fluences, followed by electrical characterization before and after each irradiation step. The results highlight the differing behaviors of the optocouplers under TID and TNID radiation exposure, offering new insights into their performance and reliability in the space radiation environment. These tests were conducted as part of the ASIF (AS1 Supported Irradiation Facilities) network [1], a key infrastructure in Europe that aims to facilitate the radiation testing of space electronics. ASIF provides access to a range of accredited irradiation facilities and offers a standardized approach to testing, ensuring that components meet the rigorous demands of space applications. Since 2015, the first phase of the ASIF program has focused on establishing and validating operational procedures for testing to enable their use in space applications, as well as on the experimental assessment and characterization of the facilities capabilities in terms of irradiation parameters, stability, calibration methods, fluence intensity, uniformity, and dosimetry accuracy.

IDONEITA SISTEMA OPERATIVO

1. Il candidato realizzi in Excel un vettore con 20 valori e ne estragga massimo e minimo.



**Presidenza, Direzione Generale,
Direzioni e Uffici**

Via del Politecnico s.n.c.
00133 Roma (RM), Italia
Tel: (+39) 06.85671

**Centro Spaziale
"Giuseppe Colombo"**

Località Terlecchia, C.P. 11
75100 Matera (MT), Italia
Tel: (+39) 0835.377511

**"Luigi Broglio" Space
Center (BSC)**

P.O. Box 450
80200 Malindi, Kenya
Tel: (+254) 42.20999

**Sardinia Deep Space
Antenna**

Casa Cantoniera di Pranu Sanguni
09040 San Basilio (CA), Italia
Tel: (+39) 06.8567988