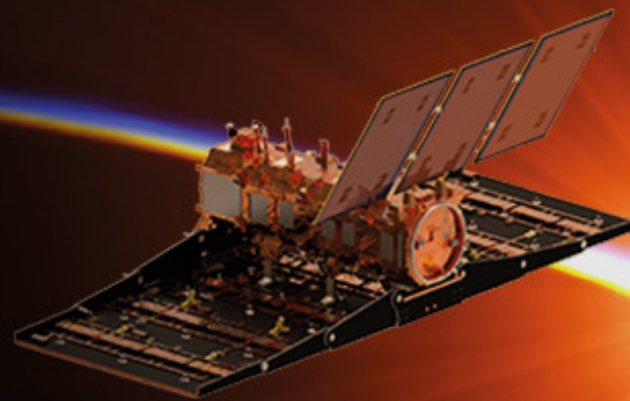


# SERESSA 2024

## 20th International School on the Effects of Radiation on Embedded Systems for Space Applications

Hosted by the National Commission for Space Activities (CONAE), the Argentine Space Agency



> 2-6 December 2024 – Córdoba, Argentina

> <https://conae.net/seressa2024>

SERESSA combines academic, government, and industrial communities working in the area of radiation effects on embedded systems. Radiation effects are a significant concern for space and avionics systems, as well as for critical applications operating at ground level such as automotive, high energy facilities, medical or even banking. The school is based on lectures, exercises, and practical courses involving real case studies using the common tools of the domain. The intended audience includes both beginning and experienced researchers, engineers, and post-graduate students wishing to enhance their knowledge base in this rapidly evolving field.

### IMPORTANT DATES:

|                                     |
|-------------------------------------|
| <b>June 14th:</b>                   |
| Registration begins                 |
| <b>July 15th:</b>                   |
| Poster abstract submission begins   |
| <b>October 30th:</b>                |
| Poster abstract submission deadline |
| <b>November 15th:</b>               |
| Poster acceptance notification      |
| <b>October 30th:</b>                |
| Early bird registration deadline    |
| <b>November 30th:</b>               |
| Online registration deadline        |
| <b>December 2nd to 6th:</b>         |
| SERESSA 2024                        |

#### SPEAKERS

#### CHAIRMEN

Raoul Velazco  
Carlos Barrientos

#### TECHNICAL CHAIRMEN

Pablo Ferreyra  
Juan Clemente

|   |   |   |   |
|---|---|---|---|
| <br><b>Martín Alurralde</b>    | <br><b>Almudena Lindoso</b>      | <br><b>Roberto Cibils</b>        | <br><b>Tiago Balen</b>   |
| <br><b>José Lipovetzky</b>     | <br><b>Hans-Juergen Sedlmayr</b> | <br><b>Felix Palumbo</b>         | <br><b>Juan Clemente</b> |
| <br><b>Ricardo Da Luz Reis</b> | <br><b>Omar Osenda</b>           | <br><b>Alberto Martín-Ortega</b> | <br><b>Lorena Anghel</b> |
| <br><b>Luca Sterpone</b>       | <br><b>Sung Chung</b>            | <br><b>Alain Michez</b>          | <br><b>Dale McMorrow</b> |

### SCOPE

- > Radiation Environment
- > Spacecraft Anomalies
- > Single-Event Effects (SEE)
- > Total Dose Effects (TID)
- > Radiation Effects in Power Systems
- > Radiation Effects in Solar Cells
- > Architecture Hardening in Analog-Digital Circuits and Memories
- > Software Hardening
- > Effects in FPGAs, Hardness Assurance
- > Rate Prediction
- > Radiation Testing, Laser Testing and Remote Testing Experiments

### POSTER SUBMISSION

School participants and young researchers in general are encouraged to present their scientific research work during a poster session. All will be considered for the Best Poster Award.

- > Abstracts Submissions will be accepted from July 15th to October 30th
- > Acceptance notification will be issued by November 15th

### CONTACT

- > [inscripciones.gc@conae.gov.ar](mailto:inscripciones.gc@conae.gov.ar)

