



Dr. José Antonio Tarrío

Local Organising Committee Chair

Centro de Procesamiento y Análisis Geodésico USC
University of Santiago de Chile

Why an IGS Workshop in Chile?



Hosting the IGS Workshop 2026 in Santiago de Chile marks a historic milestone: it is the first IGS Workshop held in Latin America. For Chile, a highly geodynamically active country, GNSS and geodesy are essential tools for understanding tectonic activity, geohazards, reference frames, climate-related processes, and the interactions among science, infrastructure, and society.



Chile also offers a strategic setting to strengthen the connection between the global IGS community and Latin America, a region with growing GNSS capacity, scientific experience, and significant potential for new applications and collaborations.



Moreover, the workshop provides an opportunity to strengthen the connection between the IGS and SIRGAS communities, promoting greater regional participation in GNSS data processing, reference-frame realization, and coordinated geodetic services across Latin America.



Organizing Institutions



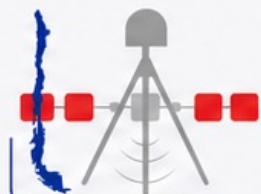
USACH



FACULTAD DE
INGENIERÍA



DEPARTAMENTO DE
**INGENIERÍA GEOESPACIAL
Y AMBIENTAL**



CENTRO DE
PROCESAMIENTO
Y ANÁLISIS
GEODÉSICO **USC**

UNIVERSIDAD DE SANTIAGO DE CHILE



IGM
INSTITUTO
GEOGRÁFICO
MILITAR
Desde
1922

- **USACH:** The University of Santiago de Chile has a big academic trajectory of 173 years and is projected as a campus of excellence, emphasizing research and a global perspective. Our research in GNSS is growing.
- **FING:** USACH's oldest and largest academic unit, formally established as a faculty in 1972 from the legacy of the School of Arts and Crafts and the School of Industrial Engineers.
- **DIGEA:** Founded in 1958 within USACH's engineering tradition, DIGEA has evolved from topography training into a department focused on geospatial, environmental, and territorial engineering.
- **USC Geodetic Processing and Analysis Center:** Created in 2017, our objective is to conduct applied geodetic research based on GNSS observations, contributing to reference frame development, systematic data processing, geodetic infrastructure, and scientific cooperation. **We improve lives through geodesy.**
- **IGM:** With almost a century of history, the IGM is Chile's official technical state institution for national geography and cartography.

Symposium–Workshop objectives



- **Symposium:** To present and discuss the latest scientific and technical breakthroughs of the International GNSS Service, bringing together the GNSS and geodesy community in Santiago to address multi-constellation infrastructure, data integrity, GNSS processing, orbits, clocks, reference frames, real-time services, atmosphere, space weather, geohazards, climate change, sustainability, and wider societal applications.



- **Workshop:** To provide a working space for the IGS community to discuss all aspects of IGS work, data, and services, including instrumentation, technology development, operational coordination, service evolution, committees, pilot projects, and practical collaboration between institutions, experts, students, and participants from Latin America and beyond.



Program

- Throughout the week, there will be oral presentations, poster sessions, technical meetings, and spaces for exchange.



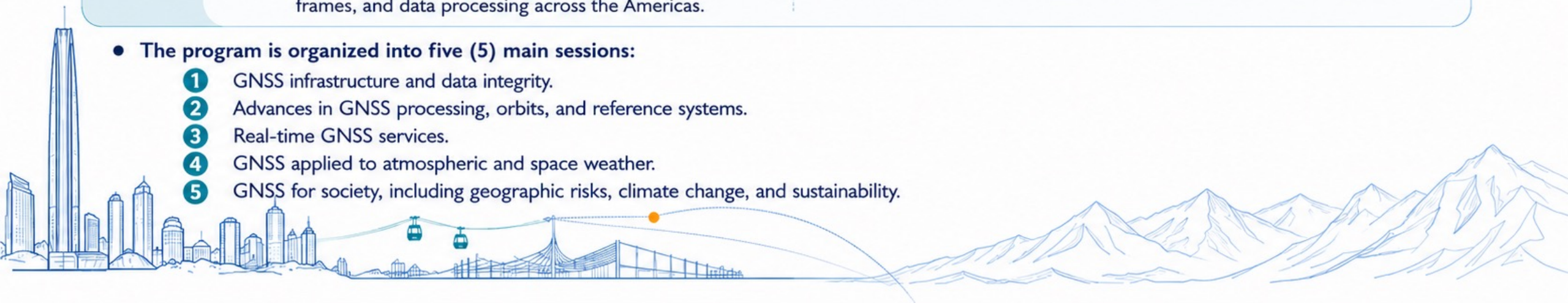
- The keynote lectures connect the workshop's scientific scope with Chile's strategic context:

- 1 ALMA: In Search of Our Cosmic Origins**
Presenter: Sean Dougherty
A keynote on ALMA as a world-class scientific infrastructure in Chile and its contribution to understanding the universe.
- 3 IGS and SIRGAS: 30+ Years of GNSS Geodesy in the Americas**
Presenter: Ing. Catalina Cáceres
A keynote on three decades of regional cooperation in GNSS geodesy, reference frames, and data processing across the Americas.

- 2 A Roadmap for Autonomous Technological Development**
Presenter: General de Brigada Aérea Christian Stuardo
A keynote on strategic capabilities and the national roadmap for autonomous technological development.
- 4 Chile's National Tsunami Warning System**
Presenter: Capitán de Navío Carlos Zúñiga
A keynote on the operational use of geospatial science for tsunami monitoring, early warning, and public safety.

- The program is organized into five (5) main sessions:

- 1** GNSS infrastructure and data integrity.
- 2** Advances in GNSS processing, orbits, and reference systems.
- 3** Real-time GNSS services.
- 4** GNSS applied to atmospheric and space weather.
- 5** GNSS for society, including geographic risks, climate change, and sustainability.



Our Sponsors



MAIN
SPONSOR



GEOCOM

Soluciones Geoespaciales



CONSTELLATION



Köllner Labraña
Centro Avanzado de Instrumentos Topográficos



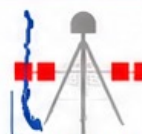
Topografía CRF
La mejor alternativa en servicios de topografía



ORBIT



SANA
Satellite Navigation



CENTRO DE
PROCESAMIENTO
Y ANÁLISIS
GEODÉSICO **USC**
UNIVERSIDAD DE SANTIAGO DE CHILE



SATELLITE



El aliado en tu investigación



esri Chile
THE SCIENCE OF WHERE™

Local Organizing Committee (LOC)



José Antonio Tarrío
Chair



Marcelo Caverlotti
USACH



**Víctor Docmac
Carvajal**
USACH



Alejandro González
IGM



Rolf Dach
IGS Chair



Elisabetta D'Anastasio
Governing Board
Vice-Chair



Mara Figueroa
Governing Board
Executive Secretary



Camille Martire
Central Bureau
Deputy Director



Scott Luthcke
Central Bureau
Director



Robert Khachikyan
Central Bureau
CBIS Manager

*As LOC, we hope you
enjoy the Workshop
and also Chile*

