



**Director of Radiocommunication  
Bureau (BR)**

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ITU Member States (Americas Region)  
Radiocommunications Sector Members and  
Associates  
Academia  
ITU Regional Office in Americas

Subject: **ITU Satellite Communications Symposium 2019**  
**“WRC-19: Shaping the Future of Satellite Communications in the Americas Region”**  
**(San Carlos de Bariloche, Argentina, 25-27 September 2019)**

Dear Madam, Sir,

Following the kind invitation of the Secretariat of Information and Communication Technologies, Ministry of Modernization of Argentina, I am pleased to inform you that the **ITU Satellite Communications Symposium 2019 “WRC-19: Shaping the Future of Satellite Communications in the Americas Region”** will be held from 25 to 27 September 2019 in San Carlos de Bariloche, Argentina.

Building on the success of previous ITU Satellite Symposiums, experts from the industry, satellite operators, regulators and space agencies from the Americas Region will gather to present and discuss latest technologies in satellite communications and space missions, national space plans, regulatory and market aspects of space services.

In view of the [World Radiocommunication Conference](#) that will start on 28 October 2019, just one month after this Symposium, presentations and discussions will be linked with the issues to be decided at this Conference but will also address more specifically the needs from the Americas region.

The 2019 Satellite Symposium will cover the following topics, *inter alia*:

- Satellite Systems and 5G Ecosystem
- Non-geostationary mega-constellations: deployment and bringing into use, coexistence among them, with the geostationary satellites and other systems, future requirements
- Mobility: Earth stations in motion (ESIM), licensing issues, future requirements for non-geostationary satellite systems
- Understanding spectrum needs and regulatory requirements for satellite communications in the Americas continent
- Science Services: Protection of passive bands, new systems, future requirements
- Interference to Space Services and Space Monitoring
- Satellite Innovations and Future Agenda Items for the World Radiocommunication Conference of 2023 (WRC-23)

Participants attending the meeting will benefit from high quality presentations and discussions among distinguished speakers who will provide the audience with an in-depth understanding of the current situation, evolution and trends in the above-mentioned fields in the region and all over the world. Hence, a complete and fresh perspective in preparation for the World Radiocommunication Conference 2019 will be acquired.

In this context, governments, regulators, private sector and any stakeholder of the space ecosystem are invited to participate to the Symposium.

The preliminary programme of the Symposium, which will conclude with a technical visit to a satellite manufacturing and testing facilities located in the area, is annexed to this letter.

#### **Event website**

A website for the Symposium has been created and is available at the following address: <http://itu.int/go/ITU-R/Bariloche-2019>.

Relevant documentation, including updates to the programme, information relating to the submission of presentations and subsequent participation at the meeting will be regularly posted.

#### **Venue, Accommodation and Visas**

Information on the Symposium venue, accommodation, visa matters and other logistic arrangements are posted on the event website in the section labelled [Practical Information about Argentina](#).

#### **Registration**

ITU Member States, ITU-R Sector Members, Associates and Academia are invited to attend this event. Participation in this event is also open to all interested stakeholders and is free of charge.

Advance registration is mandatory and shall be done by following the procedure available [online](#), as indicated at the event website **by 18 September 2019**.

#### **Fellowships**

We are pleased to inform you that one full (or two partial) fellowships per Administration of eligible countries will be awarded, subject to available funding, to facilitate participation from Least Developed or Low Income Countries. Applications for a fellowship must be authorized by the relevant Administration of the ITU Member State. Please note that the decision criteria to grant a fellowship include: available budget, equitable distribution among countries in the region, and gender balance. Fellowships should be requested by the Administration during the online registration process and must be submitted before **18 August 2019**.

Further information on fellowships for this event is available at: <http://itu.int/go/ITU-R/fellowships>

#### **Languages**

Presentations and discussions will be conducted in Spanish and English, with interpretation services.

For further information, you may contact: Mr. Alexandre Vallet ([alexandre.vallet@itu.int](mailto:alexandre.vallet@itu.int)) or Mr. Jorge Ciccorossi ([jorge.ciccorossi@itu.int](mailto:jorge.ciccorossi@itu.int)).

I look forward to your active participation and contribution to the success of this event.

Yours faithfully,



Mario Maniewicz

**Annex:** Preliminary Programme

## Preliminary Programme

First day – Wednesday, 25 September 2019

<b>08:00</b>	<b>Registration</b>
<b>09:30</b>	<b>Opening Session</b> <ul style="list-style-type: none"><li>• Welcome Remarks by Dr. Héctor Huici, Secretary of Information and Communication Technologies, Ministry of Modernization of Argentina</li><li>• Opening Remarks by Mr. Mario Maniewicz, Director, ITU Radiocommunication Bureau</li></ul>
<b>10:30</b>	Coffee Break
<b>11:00</b>	<b>Satellite Systems and 5G Ecosystem</b> <i>Presentations followed by open discussion.</i>
<b>12.30</b>	Lunch Break
<b>14.00</b>	<b>Non-geostationary mega-constellations</b> <ul style="list-style-type: none"><li>• Deployment and bringing into use</li><li>• Coexistence among them, with geostationary satellites and other systems</li><li>• Future requirements</li></ul> <i>Presentations followed by open discussion.</i>
<b>15.30</b>	Coffee Break
<b>16.00</b>	<b>Mobility: Earth stations in motion (ESIM)</b> <ul style="list-style-type: none"><li>• Licensing issues</li><li>• Future requirements for non-geostationary satellite systems</li></ul> <i>Presentations followed by open discussion.</i>
<b>17.30</b>	<b>Wrap-Up/ Discussion – First Day</b>
<b>18.00</b>	Close of First Day

## Second day – Thursday, 26 September 2019

<b>09:00</b>	<b>Science Services</b> <ul style="list-style-type: none"><li>• <b>Protection of passive bands</b></li><li>• <b>New systems</b></li><li>• <b>Future requirements</b></li></ul> <i>Presentations followed by open discussion.</i>
<b>10:30</b>	Coffee Break
<b>11:00</b>	<b>Interference to Space Services and Space Monitoring</b> <i>Presentations followed by open discussion.</i>
<b>12:30</b>	Lunch Break
<b>14:00</b>	<b>Satellite Innovations and Future Agenda Items for WRC-23</b> <i>Presentations followed by open discussion.</i>
<b>15:30</b>	Coffee Break
<b>16:00</b>	<b>Understanding spectrum needs and regulatory requirements for satellite communications in the Americas continent</b> <i>Presentations followed by open discussion.</i>
<b>17:30</b>	<b>Wrap-Up / Discussion</b> <b>Closing Remarks</b>
<b>18:00</b>	Organization of groups for the visit to INVAP on 3 <sup>rd</sup> day. Close of Second Day

## Third day – Friday, 27 September 2019

<b>09:00</b>	<b>Welcome and Registration at the INVAP Facilities</b>
<b>09:30</b>	<b>Visit to the satellite manufacturing and testing facilities of INVAP and CEATSA.</b>
<b>12:30</b>	End of Symposium

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