



Canadian Remote Sensing Society
Société Canadienne de Télédétection



NEWSLETTER #2
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Toronto Candidature XXV ISPRS Congress 2026 From Imagery to Understanding

Why Canada?



Niagara Falls



Canadarm3 - Canada's smart robotic system for the-Lunar Gateway

While it is the second largest country in the world with a total land area of 9,984,670 sq. km., Canada also has a low population density. These two facts make Canada a wonderful laboratory to develop and showcase low cost and efficient applications of the methods we in the ISPRS community use. Canada is recognized internationally for a superb quality of life, scenic vistas and its friendly, welcoming citizens. Canada is at once cosmopolitan and sophisticated, innovative and worldly, rustic and expansive with a rich and diverse culture, progressive political environment and one of the healthiest economies in the world. Officially a bilingual country (English and French are both commonly spoken), Canada's diversity now encompasses all of the cultures of the world. Canada's major urban centres, interspersed amongst a natural wealth of forests, wildlife, resources, different climates, topological characteristics, protected wilderness and water are world-renowned.

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Uuno (Uki) Helava

Canadarm2
Servicing the International Space Station (ISS) since 2001

- Assembled the ISS
- Works independently or with Dextre, the Canadian robotic repairman, to maintain the ISS
- Is used to relocate Dextre, science experiments, spare parts and even astronauts
- Performs "cosmic catches": capturing and docking of unpiloted cargo ships
- Is operated from NASA, the Canadian Space Agency or the ISS

400 km above Earth

1,497 kg

Length: 17 m

196 kg

Canadarm2 has two "hands" known as Latching End Effectors (LEEs)

Canadian Space Agency / Agence spatiale canadienne

Canadä

Canadarm 2



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We can state ten reasons why Canada is an excellent choice to host the 2026 ISPRS Congress:

1. Canada has long been an active contributor to the ISPRS on several levels (Council members, Commission Presidents, Working Groups officers, journal Editors);
2. The Canadian Remote Sensing Society – Société canadienne de télédétection (CRSS-SCT) is well established – it runs the world’s longest running national conference on remote sensing, the Canadian Symposium on Remote Sensing, since 1972;
3. The ISPRS fields have long been recognized and supported by Canada’s national, provincial and local governments from coast to coast to coast. The analytical stereo-plotter developed at the National Research Council by UV Helava, the RADARSAT mission, the Canadarm, and OSIRIS-REx are examples of Canada’s contribution to the field;
4. Canada features a vibrant and growing science and technology research and education community. In remote sensing alone, a recent survey found more than 123 post-secondary faculty members, at least 63 research centres in 77 departments with some 119 undergraduate courses. The research, education and government activities have led to a growing industry that is 100% behind our Congress bid;
5. The areas where our technologies and research are most relevant – the environment, climate change, poverty alleviation, urban growth, urban and regional planning, sustainable resource management and the like – are all areas where Canada is deeply engaged;
6. Canada proposes a legacy that will lead to ISPRS Member countries gaining broader political level support for research and education programs;
7. Canada openly welcomes diversity. Multiculturalism has been official federal policy for several decades. Canadian diversity is exemplified by the Committee supporting the bid;
8. The ISPRS Congress has not been in Canada since 1972;
9. The ISPRS Congress has not been in North America since 1992; and
10. Canada is accessible. Travellers from 67 countries and territories only require an Electronic Travel Authorization (eTA) to enter Canada by air.