

## Letter of Intent

### BETWEEN:

**The National Institute for Space Research, Brazil  
("INPE")**

and

**The University of Western Ontario, Canada  
("Western")**

*This is a Letter of Intent ("LOI") with an effective date of September 12, 2011*

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The National Institute for Space Research (hereafter referred as "INPE") is a research institute of the Brazilian Ministry of Science and Technology, promoting and conducting studies, scientific research, technological development and human resources development in the fields of space, earth and atmosphere sciences, space applications, meteorology, and space engineering and technology, as well as in related areas, in accordance with the policies and guidelines set forth by the Science and Technology Ministry.

Established in 1878, The University of Western Ontario (Western) is one of Canada's oldest and largest universities. Western prides itself for providing the best student experience among Canada's leading research-intensive universities. With 1,381 faculty members teaching in 12 faculties, the university has 33,800 students, including nearly 5,000 graduate students enrolled in 60 Masters and Ph.D programs. Of those, nearly 2,000 are international students. Western maintains active exchanges with institutions in over 100 countries worldwide and is actively expanding its international activities. This current project will lead to furthering relationships with the partner and associate partner universities in this Erasmus Mundus application. As one of Canada's leading research-intensive universities, Western and its affiliates attract \$220 million in research funding annually. Committed to research excellence and innovation, Western has 86 Centres, Institutes and Groups of Research Excellence.

Recalling the Framework Agreement between the Government of the Federative Republic of Brazil and the Government of Canada on Science, Technology and Innovation signed in São Paulo, Brazil, on November 17, 2008, and entry into force on April 19, 2010;

Also recalling the ratification of the Framework Agreement on October 27, 2010;

Recognizing the mutual interest of the Federative Republic of Brazil and the Government of Canada to enhance their scientific and technological cooperation through strengthening the links between the two countries, the National Institute for Space Research and The University of Western Ontario, hereinafter referred to as the **Parties**, wish to pursue cooperative activities in research and education, agree as follows:

#### **1. Scope: Area and Mode of Cooperation**

The main areas of cooperation covered by this Letter of Intent (LOI) include, but are not limited to, the following:

1. Joint research and educational collaborations, including faculty exchange and fellowships;
2. Joint courses, graduate and undergraduate student mobility, such as internships, study abroad, exchange, and fellowships;
3. Participation in, and co-hosting of lectures, meetings, seminars, symposia and conferences;
4. Exchange of materials, publications and other information;
5. Collaboration in other areas thought to foster scientific and cultural cooperation; and

## 6. Capacity building initiatives.

The lead coordinators identified below shall jointly coordinate the development of Terms Of Reference (TOR) or implementing agreements (e.g. student exchange) for any specific item of cooperation envisaged, which will be annexed to this LOI, subject to the availability of funds and the approval of each institution.

The TOR shall include specific clauses about the estimated expenditures and sources of financing, as well as procedures for the handling of Intellectual Property rights, if applicable. The terms for joint publications, authorship and presentation of results shall be consensually agreed by all the team members of both institutions.

## 2. Executing Organizations

Western gives authorization to the lead coordinator to coordinate the activities of this LOI.

The lead coordinator for The University of Western Ontario is:

### **Prof. Michael Bauer**

Department of Computer Science  
The University of Western Ontario  
1151 Richmond Street  
London ON, Canada  
N6A 3K7  
bauer@csd.uwo.ca

INPE gives authorization to the lead coordinator to coordinate the activities of this LOI.

The lead coordinator for the National Institute for Space Research is:

### **Eugênio Sper de Almeida**

Center for Weather Forecast and Climate Studies (CPTEC)  
National Institute for Space Research (INPE)  
Rádivia Presidente Dutra, km 39  
Cachoeira Paulista SP-12630-000 Brazil  
eugenio.almeida@cptec.inpe.br

## 3. Principles

The National Institute for Space Research and The University of Western Ontario mutually reaffirm their respective policies of non-discrimination which require its employees not to discriminate on the basis of race, sex, sexual orientation, age, ethnicity, religion, or national origin. The Parties shall abide by these principles in the administration of this LOI and neither party shall impose criteria to the participants that would violate these principles of non-discrimination.

## 4. Terms of Cooperation

### *Length of Agreement*

This LOI will remain in force for a period of three years subject to the availability of funds and adherence to the terms of cooperation.

### *Amendments*

Any amendment to the LOI will require written approval of each party. After the initial three-year period, this LOI may be renewed by mutual consent.

### *Termination*

Either party reserves the right to terminate this LOI upon six months written notice. Any program or activity that has already commenced shall be completed to the best of both parties' abilities.

**5. Communication**

The Parties can publish or announce, in any form of media, this LOI and the relationship existing between the two Parties.

Nothing in this LOI shall be deemed to authorize the public use by either party of the other's trademarks, logos, or member names in marketing materials or other media, or the disclosure of confidential information to third parties, unless specifically agreed to as part of a subsequent written agreement.

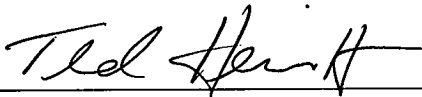
The provisions set forth in this Letter of Intent will not create any legally binding obligations between the Parties.

**6. Signatures**

Two signed originals of this Letter of Intent will be produced, one to reside with each party.

For The University of Western Ontario

For the National Institute for Space Research (INPE)



Dr. Ted Hewitt  
Vice President, (Research & International Relations)

Dr. Marco Antonio Chamon  
Associate Director of Technology

Sept. 12, 2011

Date

12 / set / 2011

Date