

Letter of Intent (LoI)

for

Academic Cooperation

between

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

and

**The Department of Electrical Engineering and Information Technology
at
Ernst-Abbe-University of Applied Sciences Jena**

The National Institute for Space Research (INPE) of the Ministry of Science, Technology and Innovation (MCTI) of Brazil, and the Department of Electrical Engineering and Information Technology at the Ernst-Abbe-University of Applied Sciences Jena, Germany, hereinafter referred to as the Parties, with a view of establishing a closer relationship for the purpose of exploring academic cooperative opportunities in fields of mutual interest and benefit to the Parties;

Considering that INPE is an internationally recognized institute for space research, atmospheric research and space technology that promotes and conducts studies, scientific research, technological development and human resources development in the fields of space engineering and technology, astrophysics, aeronomy, earth observation, meteorology, and related areas, in accordance with the policies and guidelines set forth by MCTI;

Considering also that INPE holds graduate courses, including engineering and space technologies, remote sensing, spatial geophysics;

Considering also that the University of Applied Sciences Jena offers presently 16 Master's degree programs in engineering, economics and social sciences, including one focusing on Space Electronics with an emphasis on space applications, including optoelectronic systems for earth viewing;



Recognizing that INPE and the Department of Electrical Engineering and Information Technology share common interests and priorities, in addition to promoting and furthering education and learning in their respective countries;

The Parties have expressed their intention to pursue cooperative activities in fields that include, but are not limited to, the following:

- Optical and optoelectronic sensor technology;
- Space flight systems;
- Electronic design for space applications; and
- Model-based control systems.

The Parties share the views that the implementation of the academic cooperation in specific areas of mutual interest may be facilitated by the following:

- Exchange of qualified personnel from both Institutions, to pursue either short-term or extended research visits;
- Visits by authorized officials from each side in order to develop cooperative mechanisms and to expand areas of cooperation, as appropriate;
- Implementation of a pilot study to explore distant learning.

The Parties agree to initiate discussions to explore cooperation activities and to identify the means to implement them, including, if necessary, specific Cooperation Agreements and Work Program.

The Parties designate the following points of contact as responsible for the implementation of this Lol:

For the Department of Electrical Engineering and Information Technology:

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