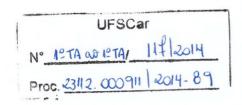




1st AMENDMENT TO THE 1ST ADDITIVE TERM TO INTERNATIONAL COOPERATION AGREEMENT



First amendment to the first additive term to the general agreement of academic and scientific cooperation between the Federal University of São Carlos (Brazil) and Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH (Germany) executed on September 30, 2014

The Federal University of São Carlos, based on São Carlos campus, at *Rodovia* Washington Luís, km 235, in São Carlos, in the state of São Paulo, Brazil, in this act represented by its rector, Prof. Dr. Wanda Aparecida Machado Hoffmann, Ph.D., hereinafter referred to as "UFSCar", on behalf of its Department of Materials Engineering ("DEMa"); and *Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH*, based at 1 Max-Planck-Straße, in Geesthacht, in the State of Schleswig-Holstein, Germany, in this act represented, as a statute, by its scientific director, Prof. Dr. Wolfgang Kaysser, and its administrative director, Ms. Silke Simon, hereinafter referred to as "HZG";

WHEREAS both institutions entered into a general agreement of academic and scientific cooperation on September 30, 2014, in order to establish stable relations between them, so as to conciliate together the development of programs, plans, projects and research activities, as well as to establish methodology towards the development of joint activities, particularly in as far as research work, training and staff exchange is concerned;

WHEREAS the same parties executed a 1st additive term to said agreement on September 30, 2014, which main objective is to develop a closer cooperation between them in the fields of research and teaching in the areas of Materials Science and Engineering;

WHEREAS said additive term, pursuant to its Clause Twelve, will be valid until September 30, 2019, and the parties thereof wish to formally extend its validity period, aiming to keep developing their academic and scientific cooperation in the abovementioned fields of knowledge;

WHEREAS Dr. Claudemiro Bolfarini, professor of DEMa-UFSCar, will replace Dr. Leonardo Bresciano Canto, professor of the same department, as the person responsible for the implementation of the additive term on behalf of UFSCar;

WHEREAS Prof. Dr.-lng. Benjamin Klusemann, researcher of the Materials Mechanics Division of the Institute of Materials Research of HGZ, will replace Prof. Dr.-lng. Sergio de Traglia Amancio Filho, professor of the same institute, as the person responsible for the implementation of the additive term on behalf of HZG;

WHEREAS the additive term, in compliance with its Clause Twelve, can be modified and renewed in writing and under mutual approval and consent by the parties thereof;

ENTER INTO THIS AMENDMENT in conformity with the following clauses:

First Clause - OBJECTIVES

The objectives of this amendment are the following:

I.1. To extend for five (5) years, from September 30, 2019, the validity of the 1st additive term to the general agreement of academic and scientific cooperation between UFSCar and HZG executed on September 30, 2014.

- **I.2.** To replace Prof. Dr. Leonardo Bresciano Canto by Prof. Dr. Claudemiro Bolfarini as the person nominated by UFSCar and DEMa in Clause Three of said additive term to be responsible for the implementation thereof.
- **I.3.** To replace Prof. Dr.-Ing. Sergio de Traglia Amancio Filho by Prof. Dr.-Ing. Benjamin Klusemannas as the person nominated by HZG in Clause Three of said additive term to be responsible for the implementation thereof.

Second Clause - CONFIRMATION

The other clauses and conditions of the additive term referred herein remain unchanged.

This amendment is executed in two originals in English and in Portuguese.

São Carlos, São Paulo (Brazil)

Prof. Dr. Wanda Aparecida Machado

Wande

Hoffmann Rector

Federal University of São Carlos

Prof. Dr. Luiz Antonio Pessan

Head

Department of Materials Engineering Federal University of São Carlos

Geesthacht, Schleswig-Holstein (Germany)

Prof. Dr. Wolfgang Kaysser Scientific Director

Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH

Ms. Silke Simon

Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH

30 SEP 2019

15. AUG. 2019