

## **COLLABORATION FOR ADVANCED EDUCATION IN ENGINEERING STUDIES**

**Between**

**SYRACUSE UNIVERSITY (SU) ON BEHALF OF  
L. C. SMITH COLLEGE OF ENGINEERING AND COMPUTER SCIENCE  
SYRACUSE, NEW YORK, USA**

**and**

**INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (IIT-KGP)  
KHARAGPUR, WEST BENGAL, INDIA**

### **Preamble**

IIT-KGP and SU agree to further their interest in creating a long-term partnership in education and research. Both institutions will collaboratively lend support in the areas of graduate and undergraduate education, teaching and research by promoting contact and collaboration between faculty and students. This document presents a general framework for such collaborations. Should other institutions be involved in the cooperation, their participation, by mutual consent of the parties to this agreement, will be clarified in a separate agreement.

### **Extent and Aims of the Agreement**

The purpose of the cooperation in the areas of education and research is:

1. To promote student exchange, both undergraduates and graduates, for the purpose of developing joint research activities;
2. To promote faculty exchange and pursue joint research projects;
3. To organize and conduct joint conferences, study groups, courses, or meetings.
4. At this time all the issues mentioned in 1, 2 & 3 will be limited to the areas of electromagnetics, communications, signal processing, security/assurance, microelectronics and biomaterials.

### **Areas of Cooperation**

The following have been identified as possible starting points of the partnership. The areas of cooperation can be further increased by the mutual consent. In all cases specific programs will require other agreements to be separately detailed out, documented and be ratified by the highest academic administrators of the two institutions before a program starts.

- (i) Exchange of information and experience: Representatives of both institutions should collaborate in arranging joint meetings/seminars/workshops to exchange experiences in education and research and to prepare joint projects.
- (ii) Faculty and student exchange programs: Two institutions will examine the possibility of creating Visiting Faculty positions at respective institutions for faculty exchange.  
  
A Student Exchange Program will be formulated both for short term (summer training or short certificate courses) as well as for long term (one semester or one year).
- (iii) Cooperative research projects: Both institutions will promote development of collaborative research projects between faculty and/or research groups. Collaborating faculty will approach various funding agencies to submit project proposals.
- (iv) Coordinated graduate degree program: Collaborative graduate programs with stress on research in areas of mutual interest will be explored. Collaboration will include participation in graduate thesis committees and other academic endeavors.
- (v) Continuing and distance education: SU and IIT-KGP will facilitate a joint distance education program based on the expertise available in both institutions. They will also share and carry out joint research in technology for distance and computer-based learning.

### **Intellectual Property**

Each institution will adhere to the intellectual property laws of their respective countries. Intellectual property (including but not limited to patents, copyright, etc.) developed during the collaborative activity will be governed by the rules of the host institution and the rules, regulations, and laws including, but not limited to, intellectual property laws and export control laws of the host institution's country as applicable unless otherwise specified by an alternate agreement. Participating institutions will discuss in detail and develop documents outlining necessary steps to protect the intellectual property which shall include but not limited to ownership of intellectual property, rights to intellectual property to participating institutions, and non-disclosure agreement with regards to collaborative activity in which faculty/students from other institution will conduct joint research.

### **Relationship of Parties**

SU and IIT-KGP are independent organizations. This MOU does not set up joint ventures, principal-agent, or any other similar relationship. Neither SU nor IIT-KGP shall have, or hold itself out as having the power or authority to bind or create liability for the other by its negligent or intentional acts or omissions.



## Financing

The two institutions will develop a funding pool from various sources to carry out this partnership. They will not only try to arrange some funding from their own resources, but also vigorously approach their own governments, international funding agencies and industries. Funding from alumni will also be solicited for some of the programs.

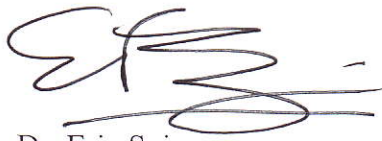
The host institute will arrange for short-term accommodation at reasonable cost to exchange students and faculty. All other costs including travel costs, food are the responsibility of the exchange student and faculty. However, various funding sources shall be approached to secure funding for this.

## Contact Persons

In order to implement the aims envisaged in the agreement on teaching and research more easily and efficiently, Professor Prasanta Ghosh of SU and Professor Ajay Chakraborty of IIT-KGP will act as facilitators and will be responsible for the implementation of the agreement under the guidance of the Vice Chancellor of SU and the Director of IIT-KGP. Professors Ghosh and Chakraborty will be in regular contact with each other to carry out the collaborative activities under the terms of this agreement.

## Validity

This agreement takes effect on December 17, 2007, the date it is signed by both Vice Chancellor of SU and Director of IIT-KGP. This agreement is valid for an initial period of 3 years. It is extended for a year at a time unless one of the collaborators terminates it by giving written notice 3 months before the end of the calendar year. At the end of 3 years the partnership agreement will be revisited for further extension. Termination of the agreement will not affect students already accepted by either university under the terms of the exchange, or students already participating in the exchange, who will be allowed to complete the exchange under the terms outlined above.



Dr. Eric Spina  
Vice Chancellor and Provost  
Syracuse University, USA



Dr. Shiu-Kai Chin  
Interim Dean  
L. C. Smith College of Engineering  
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Syracuse University, USA



Dr. Damodar Acharya  
Director  
Indian Institute of Technology  
Kharagpur, INDIA



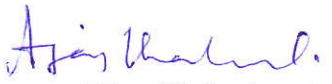
Dr. Amit Patra  
Dean (Alumni Affairs &  
International Relations)  
Indian Institute of Technology  
Kharagpur, INDIA

Office of Dean (AA&IR)  
IIT Kharagpur

Dt: 07.06.2007

Enclosed please find the draft of an enabling MOU between L. C. Smith College of Engineering and Computer Science, Syracuse University (LCS-SU) and IIT Kharagpur. The MOU appears to be appropriate for placement in the MOU Sub-Committee for its approval and subsequent approval of the Director.

Submitted.

  
(Ajay Chakrabarty)  
Dean (AA&IR)

Deputy Director

**Draft of  
ACADEMIC PARTNERSHIP  
Between  
L. C. SMITH COLLEGE OF ENGINEERING AND COMPUTER SCIENCE,  
SYRACUSE UNIVERSITY (LCS-SU)**

**and**

**INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (IIT-KGP),  
INDIA**

**Preamble**

IIT-KGP and LCS-SU agree to further their interest in creating a long-term partnership in education and research. The partners will jointly lend support in the areas of graduate and undergraduate education, teaching and research by promoting contact and collaboration between faculty and students. This document presents a general framework for such a partnership. Should other institutions be involved in the cooperation, their participation, by mutual consent of the parties to this agreement, will be clarified in a separate agreement.

**I. Extent and Aims of the Agreement**

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- (ii) Faculty and student exchange programs: The partners will examine the possibility of creating Visiting Faculty positions at respective institutions for faculty exchange.

A Student Exchange Program will be formulated both for short term (summer training or short certificate courses) as well as for term (one semester or one year). A detailed document on this (including credit transfer issues) will be discussed later. This has to be ratified by the highest academic administrators of the two college\institutions before this program starts.



- (iii) Cooperative research projects: The two partners will promote development of joint collaborative research projects between faculty and/or research groups. Collaborating faculty will approach various funding agencies to submit joint project proposals.
- (iv) Coordinated graduate degree program: Joint collaborative graduate programs with stress on research in areas of mutual interest will be explored. A detailed document on this will then be prepared and ratified by the highest academic administrators of the two institutions before this program starts. Collaboration will include participation in graduate thesis committees and other academic endeavors.
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### **Validity**

This agreement takes effect on September, 2007, the date it is signed by the partners. This agreement is valid for an initial period of 3 years. It is extended for a year at a time unless one of the partners terminates it by giving notice 3 months before the end of the calendar year. At the end of 3 years the partnership agreement will be revisited for further extension.