MEMORANDUM OF UNDERSTANDING (MOU)
BETWEEN
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
COLLEGE OF ENGINEERING
(Virginia Tech)
BLACKSBURG, VIRGINIA, USA
AND
POLITECNICO DI MILAN
COLLEGE OF ENGINEERING
MILANO, ITALY

Politecnico di Milano College of Engineering and the Virginia Polytechnic Institute and State University (Virginia Tech) College of Engineering agree to implement this memorandum of understanding signed on April 18, 2005.

This agreement is based on the principle of reciprocity and expresses the interest of both parties in exchanging scholars, students, academic information and materials in the belief that the research and educational process at both the institutions will be enhanced and that mutual understanding between their respective scholars and students will be increased by the establishment of such exchange programs.

1. The universities agree to encourage the development of the following exchange programs based on their respective academic and educational needs:
   - Exchange of graduate students
   - Joint supervision of M.S. and Ph.D. students
   - Exchange of academic information and materials

2. The parties recognize that the implementation of any exchange program will depend upon the academic interests and expertise of individual faculty members and upon the availability of financial resources. Accordingly, the implementation of each exchange program based on this agreement shall be separately negotiated and determined by both universities.

3. This agreement is not intended to be a legally binding document. It is meant to describe the nature and to suggest the guidelines of the cooperation described above. Nothing therefore shall diminish the full autonomy of either institution, nor will any constraints be imposed by either upon the other in carrying out the agreement.
4. The agreement shall become effective on the day representatives of both universities affix their signatures and seals, will be in force for a period of three years, and is subject to revision or modification by mutual agreement. It is also understood that either institution may terminate the agreement at any time, although is assumed that such action would only be taken after mutual consultation in order to avoid any possible inconvenience to the other institution.

5. For Virginia Tech, Dr. S.K. De Datta, Associate Provost for International Affairs, shall serve as liaison officer for this agreement. And for Politecnico di Milano, Prof. Giancarlo Spinelli, Deputy for International Relations, shall serve as the liaison officer.

Dr. Charles W. Steger  
President  
Virginia Tech  
Blacksburg, VA, USA  

Date  

Dr. Giulio Bals  
Rector  
Politecnico di Milano  
Milano, Italy  

Date  

Dr. S.K. De Datta  
Associate Provost for  
International Affairs  
Virginia Tech  
Blacksburg, VA, USA  

Date  

Prof. Giancarlo Spinelli  
Deputy for  
International Relations  
Politecnico di Milano  
Milano, Italy  

Date  

POLITECNICO DI MILANO  
AREA DIDATTICA  
SERVIZI SERVIZI BUISTALI AGLI STUDENTI  
La presente copia comparuta da n. 2, regite  
e conferito all'origine.  
Milano,  

Date  

_____________________________  
(Sigla)  
(Peppicio Miaria Pereggi)
STUDENT EXCHANGE AGREEMENT
between
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
COLLEGE OF ENGINEERING
(Virginia Tech)
Blacksburg, Virginia, U.S.A.
and
POLITECNICO DI MILANO
COLLEGE OF ENGINEERING
Milano, Italy

In the interest of expanding educational opportunities, Virginia Tech College of Engineering and Politecnico di Milano College of Engineering agree to promote the exchange of students under the following provisions:

1. Exchange Coordinator
Each party to the agreement will appoint an officer who will be responsible for the coordination and administration of the exchange, including the selection and counseling of the exchange participants. For Virginia Tech, Kathleen Stadler-Thompson, the Assistant Program Director for Education Abroad, will serve as Exchange Coordinator. For the Politecnico di Milano, that role will be played by Prof. Giancarlo Spinelli, Deputy for International Relations.

2. Duration of Exchanges
Students may be exchanged for a summer, semester or an academic year.

3. Number of Students to be Exchanged
The number of qualified students to be exchanged will be determined by mutual agreement between the two institutions.

4. Balancing the Exchange
Parity in numbers of exchange students is the objective of the agreement. Numbers should be counted in semester units: 1 summer=0.5, 1 semester=1, 1 academic year=2. However, each party should be prepared to consider a disparity in any given semester or year during the period agreement. Any and all imbalances shall be resolved by the end of the period of agreement.

5. Academic Status
All students will remain enrolled as regular degree candidates at the home institution and will not be enrolled as candidates for degrees at the host institution. Students are expected to maintain full-time status at the host institution. Exchange students will have the rights and be subject to the same regulations at the host institution.

6. Student Eligibility
The Exchange Coordinator at each institution, acting after consultation with the appropriate academic unit, will be responsible for the selection of suitable nominees for exchange. It is understood that the Coordinator will nominate students who are both academically and personally suitable for exchange abroad and that details of academic
background as well as references will be provided to the host institution. It is hoped that
the host institution will not reject a nominated student unless he/she does not meet
established admission requirements for international students, or unless the host
institution cannot guarantee availability of required courses. Courses in Computer
Science, Computer Engineering, and Accounting Information Systems will not be offered
to international exchange students seeking placement at Virginia Tech.

Students involved in the exchange will have proficiency level in Italian/English that will
allow them to attend regular university classes. The appropriate level will be
demonstrated through the required tests in each institution.

7. Transcripts
Both institutions agree to provide a transcript at the end of the period of study, giving
details of the courses studied and grades and credits awarded.

8. Student Program Fees
Each student will pay his or her regular tuition and fees to the home institution and will
receive these benefits in turn from the host institution. All housing and meal costs will be
the responsibility of the exchange student. The host institution agrees to provide all
necessary assistance in arranging accommodation in the residence halls or off campus, as
appropriate. All travel costs will be the responsibility of the individual student.
Miscellaneous fees such as special course fees, fieldwork courses, key deposits, books,
etc. will be paid directly by each participant.

Neither institution will charge incoming students an application fee.

9. Vacation Periods
The individual student will be responsible for his or her own housing and meal
arrangements and costs during vacation periods (breaks, holidays, or between semesters).

10. Insurance
Each participant will provide his or her own health and accident insurance. Proof of
adequate insurance coverage must be provided to the international office of each
institution. In the case of Politecnico di Milano students coming to Virginia Tech, they
will be required to provide proof of health insurance that meets Virginia Tech’s minimum
standards for insurance coverage before registering for courses.

11. Dependents
The obligations of each institution under this agreement are limited to the exchange of
students and do not extend to partners or dependents. Expenses of accompanying
partners and dependents are the responsibility of the exchange student.

12. Visa Requirements
Participants will be required to meet any visa requirements that pertain to studying in the
host country. In the case of Politecnico di Milano students coming to Virginia Tech, they
will need to document having sufficient financial resources for the period of stay.

13. Effective Date and Termination of Agreement
This agreement shall be in effect for three years from the date of its signing. At the anniversary of the agreement, each institution will exchange a brief report indicating any imbalances of student numbers and/or other issues or problems. This agreement may be amended, and/or extended by mutual written consent of both institutions for a period beyond its original date of expiration. Either party may terminate this agreement by serving written notice to the other party. In this case, if either party desires to balance the numbers before termination, the other party will cooperate in that effort. Otherwise, termination will take effect six months from the date of the written notice.

14. Agreement
In agreement with the above terms of participation, the following signatures are affixed:

**VERGinia Polytechnic Institute and State University (Virginia Tech)**

[Signature]

Dr. Charles W. Steiger
President

[Signature]

Date: 4/13/05

Dr. S.K. De Datta
Associate Provost for International Affairs, and Director of the Office of International Research, Education and Development

[Signature]

Date: April 13, 2005

Jeffrey A. Byatt
Executive Vice President
And Chief Operating Officer

[Signature]

Date: 4/15/05

**Politecnico di Milano**

[Signature]

Dr. Giusto Ballio
Rector

[Signature]

Date: 22 Apr. 2005

GIacomo Furini
Deputy for International Relations

[Signature]

Date: 

**Politecnico di Milano**

[Signature]

IL RIEC DiANNO VO
(Dott. Sara Maria Perigo)
AGREEMENT FOR INTERNATIONAL CO-OPERATION

between the Politecnico di Milano Colleges of engineering with legal domicile at Piazza Leonardo da Vinci 32, 20133 Milano (Italy) and represented in this deed by its Deputy for International Relations, Prof. Giancarlo Spinelli, as identified in the Rector Decree of delegation n. 4144 of January 14th 2003, and the Virginia Polytechnic Institute and State University with legal domicile at 225 North Hall, Mail Code 0215, Blacksburg, VA 24060 and represented by Dr. S. K. De Datta, Associate Provost for International Affairs.

1. PURPOSE

The present agreement, as defined by the parties according to the laws in force and their own internal rules, is aimed at designing and implementing student mobility on a reciprocity base, leading to the awarding of titles of both institutions. Teaching staff mobility is also foreseen.

2. FORESEEN ACTIVITIES

The present agreement foresees the following activities:
- Exchange of PhD students. The workload will be agreed upon in each single case by the academic bodies of both Institutions so as to permit the awarding of PhD.
- Feasibility of study of the academic contents and of the legal problems in order to design a joint degree at the level of "Laurea Magistrale" and "Masters of Science".

The actions of the co-operation programme will be defined every year. In order to achieve this aim a committee of members belonging to the contracting parties may be established.

3. SUBJECTS INVOLVED

The foreseen activities will involve the following subjects:
We propose to begin the partnership in a focused interdisciplinary area, but which involves all fields of science and engineering. Therefore, we have chosen the area of advanced materials, particularly thikle based on emerging micro- and nanoscale technologies. This area is well represented in both universities through research groups in polymers, macromolecules, composite materials, and carbon nanostructures. Typical disciplines that could contribute to this effort would involve aerospace engineering, biomedical engineering, chemical engineering, chemistry, electrical and computer engineering, engineering science and mechanics, applied mathematics, materials science and engineering, mechanical engineering, and physics among others. These fields are also well represented in both institutions.

4. COORDINATION

The person responsible for co-ordinating the activities are:
For the Politecnico di Milano: Prof. Giancarlo Spinelli, Full Professor of Rational Mechanics and Delegate of the Rector for International Relations
For the Virginia Tech: Prof Ishwar Puri, Full Professor and Head of Engineering Science and Mechanics

5. BUDGET

The following expenses are foreseen for the three year period:
Three (3) students per year for three years from Politecnico di Milano will visit Virginia Tech. (Virginia Tech will provide 100% tuition and 75% graduate teaching or research assistantship.)

Virginia Tech’s responsibility:
$12,000 tuition/yr per student for three years = $108,000
$11,250/yr stipend per student (75% assistantship at step #14, $15,000/yr) = $101,250

Politecnico di Milano's responsibility:
€ 490 per month each as a mobility grant by the Politecnico di Milano = 14,700
€ 3,000 each as mobility expenses requested to the Italian Ministry for Education and University = 27,000

One (1) student per year for three years from Virginia Tech will visit Politecnico di Milano.

Politecnico di Milano's responsibility:
€ 1,550 each as fee waiver covered by the Politecnico di Milano = 1,500
€ 8,000 each as mobility expenses as requested to the Italian Ministry for Education and University = 24,000

Six (6) professors and administrative staff from Virginia Tech will visit Politecnico di Milano in the three year period for preparatory study and course design.

Virginia Tech's responsibility:
3 covered by Virginia Tech $3,000

Politecnico di Milano's responsibility:
3 as requested to the Italian Ministry for Education and University = 3,000

Eight (8) professors and administrative staff from Politecnico di Milano will visit Virginia Tech in the three year period for preparatory study and course design.

Politecnico di Milano's responsibility:
4 covered by the Politecnico di Milano departments = 4,000
4 as requested to the Italian Ministry for Education and University = 4,000

6. SAFETY, PREVENTION
The obligations relevant to information, training and set-up of the necessary prevention and protection measures are defined within a specific document between the parties, annexed to the present agreement.

7. INSURANCE
Each participant will provide his or her own health and accident insurance. Proof of adequate insurance coverage must be provided to the international office of each institution. In the case of Politecnico di Milano students coming to Virginia Tech, they will be required to provide proof of health insurance that meets Virginia Tech's minimum standards for insurance coverage before registering for course.

8. VISA REQUIREMENTS
Participants will be required to meet any visa requirements that pertain to studying in the host country. In the case of Politecnico di Milano students coming to Virginia Tech, they will need to document having sufficient financial resources for the period of stay.
9. DURATION
This agreement will come into force on the date of the signature of both parties and will have a term of three years. This agreement can be renewed by mutual consent of the parties after verification of the activities developed during its duration.

10. AMENDMENTS
This agreement may be amended by the mutual written consent of the parties hereto.

11. WITHDRAWAL
Any party may withdraw from this agreement at any time, and the agreement will terminate one hundred eighty days after the date of the written communication of the withdrawal to the partner institution. All activities in effect at the time of such notice shall be permitted to be completed in the same manner as if no such notice was given.

12. LANGUAGE
This agreement has been written both in Italian and in English with the same content.

For the Politecnico di Milano
The Deputy for International Relations
Prof. Giancarlo Spinelli

For the Virginia Polytechnic Institute and State University
Associate Provost for International Affairs
Prof. S. K. De Datta

Milano, data 22 APR. 2005

Blackburg, April 14, 2005
Executive Vice President and Chief Operating Officer
James A. Hyatt

Blackburg, April 14, 2005
President
Dr. Charles W. Steger

Blackburg, April 15, 2005