AGREEMENT FOR
SCIENTIFIC AND EDUCATIONAL COOPERATION
BETWEEN
THE CENTER FOR WIRELESS TELECOMMUNICATIONS AT VIRGINIA
POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (VIRGINIA TECH)
AND
CENTRO DE INVESTIGACIÓN CIENTÍFICA Y DE EDUCACIÓN SUPERIOR
DE ENSEÑADA, MEXICO (CICESE)

WHEREAS, the Center for Wireless Telecommunications at Virginia Polytechnic
Institute and State University (hereinafter referred to as Virginia Tech) and The Centro de
Investigación Científica y de Educación Superior de Ensenada, México (hereinafter
referred to as CICESE), are mutually interested in developing cooperative research in
activities involving Electrical and Computer Science and Engineering and they have
agreed to establish the following Agreement for Scientific and Educational Cooperation.

NOW, Therefore, Virginia Tech and CICESE agree as follows:

Article 1. Purpose of Research Cooperation

A. Virginia Tech and CICESE shall initiate cooperation to further the
development of basic scientific and applied research with goals of advancing
research in Electrical and Computer Engineering, gaining a more fundamental
understanding of these fields and benefiting society at large.

B. The parties wish to maintain and promote channels of cooperation and
communication that permit the exchange of academic and scientific
knowledge.

Article 2. Areas of Research Cooperation

A. Upon mutual agreement by the parties, cooperative research may be
conducted in fields of current research and those to be undertaken in the future
by the two parties in areas of common interest.

B. Principal subjects of research cooperation to be pursued under this Agreement
may include, but not be limited to, those fields specified in the Appendix.
Article 3. Forms of Research Cooperation

The parties agree in principle to the following general forms of cooperation:

A. Exchanging researchers, scientists, faculty members and graduate students;

B. Exchanging scientific information in fields of mutual interest;

C. Exchanging scholars for lectures, talks, conferences, colloquia, symposia and sharing of experiences;

D. Implementing cooperative research programs;

E. Making facilities and equipment (including research vessels) of one party available to researchers from the other party on a non-interfering and cost reimbursement basis for supplies and materials.

F. Encouraging direct contacts between researchers; and

G. Permitting other forms of research cooperation by mutual arrangement.

Article 4. Meetings

Representatives of the two parties shall meet, as occasion demands, to review the progress of research cooperation currently underway and to discuss future cooperation plans.

Article 5. Procedures

A. Financial arrangements for any form of cooperation shall be determined by Virginia Tech and CICESE through mutual consultation and agreement, and if appropriate, will become defined in a separate Implementing Agreement. No funding commitment on the part of either signatory is confirmed at the time of the signing of this document.

B. Research data developed under this cooperation Agreement may be made available to the general scientific community through, but not limited to, the following: publications, seminars, lectures and conferences.

C. This agreement may be modified by written consent of both parties.

D. Matters not provided by this Agreement shall be determined through mutual consultation and agreement.
E. This agreement is not intended to be legally binding, nor to diminish the full autonomy of either institution.

Article 6. Term of Agreement

This agreement shall become effective on the date it is signed by both parties and shall be valid for five (5) years. Thereafter, it shall be automatically renewed on the anniversary date unless written notice of intent to terminate is given by one party to the other party at least six (6) months prior to the next renewal date.

Article 7. No2-Discrimination

Virginia Tech and CICESE subscribe to the principle of equal opportunity and do not discriminate on the basis of race, color, sex, age, sexual orientation, disability, ethnicity, religion or national origin. They shall abide by these principles in the administration of this Agreement and neither party shall impose criteria for the exchange of researchers, scientists, faculty members or students which would violate the principles of non-discrimination.

IN WITNESS WHEREOF, the parties have executed this Agreement and represent that they approve, accept and agree to the terms contained herein.

THE CENTER FOR WIRELESS TELECOMMUNICATIONS AT VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Dr. George Morgan
Director
Date August 28, 2001

CENTRO DE INVESTIGACIÓN CIENTÍFICA Y DE EDUCACIÓN SUPERIOR DE ENSEÑANZA

Dr. Francisco Javier Mendieta Jiménez
Director General
Date Aug 28, 2001
APPENDIX

Agreement for
Scientific and Educational Cooperation
Between
THE CENTER FOR WIRELESS TELECOMMUNICATIONS AT VIRGINIA
POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (VIRGINIA TECH)
And
CENTRO DE INVESTIGACIÓN CIENTÍFICA Y DE EDUCACIÓN SUPERIOR
DE ENSENADA (CICESE)

FIELDS OF RESEARCH COOPERATION

Under the Agreement for Scientific and Educational Cooperation between Virginia Tech, Bradley Department of Electrical and Computer Engineering and CICESE, research cooperation is anticipated to include, but not be limited to, the following major areas:

1. Communications
2. Computer Science and Engineering
3. Control and Robotics
4. Electronics
5. Optical Communications and Optoelectronics
6. Optics and Electrophysics
Appendix: Projects for Future Collaboration

The parties agree to collaborate on the following topics pursuant to the agreement above:

1. Design, formulation, and implementation of a "mock WRC" to educate students in engineering, business, communications studies, economics and geography about the international policy-making process for wireless telecommunications. Each institution agrees to provide a faculty raemember and at least one student as a participant in the event in either summer 2002 or summer 2003 as the arrangements develop.

2. Wireless broadband communications systems for rural markets, specifically the use of so called LMDS frequencies for broadband services to businesses and residences and satellite communications for telephony and Internet access. Collaboration will focus on identifying how each institution can contribute to development of low cost transceivers and the requirements and opportunities to provide broadband and satellite communications to rural markets. The roles of each institution are to be determined but could include identifying types of markets for which various technologies are applicable, test deployments in various geographic areas, design of implementation plans, and equipment specifications.

The collaboration could be developed through faculty visitations, student exchanges, or other mechanisms as appropriate. This Appendix does not obligate the parties or limit the parties to specific topics but only provides potential directions for the collaboration.