

# Juarez-Lincoln-Martí

A US-Mexico and Ibero America  
International Education Project

Jorge Luis Romeu

<http://snycorva.cortland.edu/~matresearch/>

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# OUTLINE

- Project Origins, Motivations and Objectives
- Exchange Program Activities and Models
- The Juarez Faculty Development Project
- Some Achievements and Results
- Model Advantages and Disadvantages
- Student Exchange Project Characteristics
- Summary and Conclusions

# Project Statement

- Juarez-Lincoln-Martí (a.k.a. Sierra-Dewey-De La Luz) is completely dedicated to the improvement of higher education in L.A. as well as to the enhancement of the mutual knowledge and understanding between the American and the Iberoamerican peoples.
- Toward this goal the Project develops long and short range faculty/student programs:

# Project Programs

- Short Term (Tactical Goals)
  - Bring Mexican Faculty to US Conferences
  - Teach Faculty Development Workshops
  - Donation of Math/Science Textbooks
  - Move Science Students Between Countries
- Long Term (Strategic Objectives)
  - Contribute to the Improvement of Higher Ed
  - And to a Broader and Mutual Knowledge.

# Project Origins/Motivations

- At the end of 1994 Mexican Fulbright stage
  - appreciation of both, Mexican and US needs
  - realization that our biculturalism provided
  - a bridge between both cultures and peoples
- And: A dream ... And a concern ...
- Realization of current programs' weakness
  - regarding science and engineering students
  - and their role in a globally oriented economy.

# Target Populations/Goals

- University Faculty in both countries
  - increment mutual experiences and development
  - increment mutual knowledge and appreciation
- College Students in both countries
  - learning each other's language and culture
  - establishment of future professional contacts
- Higher Ed. Institutions in both countries
  - establishment of links for credit transfers

# Proposed Program Activities

- **FACULTY EXCHANGES:**
  - long periods: sabbaticals, research, visiting
  - short periods: seminars, workshops, events
  - internships, fellowships, faculty development
- **STUDENT EXCHANGES:**
  - traditional: anthropology, literature, history
  - proposed: business, science and engineering
  - with full semester immersion in their major
- **COMPLETE RECOGNITION/TRANSFER**

# And Current Programs...

- International Faculty Exchanges
  - Short: attend workshops and conferences
  - Mid-Term: attend summer courses
  - Long-Term: Fulbrights/Fellowships
  - Post Graduate Studies Scholarships
- Exchanges of Technical/Research Material
  - Textbook and Data Exchanges
- Faculty Development Workshops

# Faculty Exchange Results:

- From workshops/conferences:
  - Fifteen Mexicans to CIT SUNY Conferences
  - One SUNY Administrator to Mexico (UNAM)
- From summer/winter courses:
  - One Venezuelan with a Faculty Development
  - One-Month Internship with us in SUNY
- Post Graduate Studies Scholarships
  - Activities for an UDLA Faculty in SUNY

# Mexican Scholars to CIT

- Have come from the following Universities:
- Universidad de las Americas (2)
- Inst. Tech. Aut. de Mexico, ITESM (2)
- Universidad Hispanoamericana
- Universidades Autonomas de: Hidalgo, Ciudad Juarez, Metropolitana, de Q. Roo, de Guadalajara, de Sinaloa, Veracruzana (2)

# Teaching/Research Materials:

- Education Technical/Research Material
  - Hosting Education Technology Internet List
  - Hosting Ecological Studies Internet List
- Textbook Exchanges and Donations
  - Sent several boxes of books via Air Mail
  - Car/Carry-on loads via periodical trips
  - Textbooks/Materials for CIT Scholars
  - Materials valued in the 00s of dollars

# Workshops Characteristics

- In Provincial and Small Institutions
- In the Vernacular Language (Spanish)
- On Technology in Science Education:
  - HW, SW, Projects, Internet, Smart Classrooms
- Cooperative/Contextual Learning Methods
- Distance Learning Techniques/Approaches
- Feasibility Studies and Needs Assessment

# Some Workshop Topics

- Technology Infusion and Administration
- Using MINITAB SW in the Statistics Lab
- GPSS Simulation SW in Statistics Projects
- Using Contextual/Student Centered Projects
- Teamwork/Group Learning Administration
- Intro to Distance Learning Techniques
- The Internet as a Teaching/Learning Tool

# Workshops Taught

- Semester: ITAM and U. del Anahuac (94)
- One Week Workshops (94-00):
  - Mexico: UAT Tampico; UDLA, Veracruzana
  - Spain: U. De Galicia; U. Del Pais Vasco
  - Venezuela: U. Romulo Gallegos (UNERG)
- Two-Day Workshops (95-00):
  - Mexico: Chapultepec, Hispanoamericana,
  - Spain: U. De Galicia; U. Del Pais Vasco
  - Venezuela: Romulo Gallegos (UNERG)

# Faculty Development Problems

- Some Traditional Practical Problems:
  - Lack of funding from many host institutions to pay for Instructor transportation/honorariums
  - Perception of a lower quality from “freebies” (“you get what you pay for” philosophy)
- Our Project Implementation and Solution:
  - Host supports our stay and local transportation
  - Juarez provides part of the international travel
  - “payment” is toward future visits/scholarships

# Jumpstart Opportunity

- State Department Speaker Specialist Grant
  - Provided travel and funds for initial workshop
  - Also, opportunity to give concurrent workshops
  - Grant proceedings supported additional travel
- With Grant proceeds, a summer workshop
  - With same financial arrangements as above
- Future workshops (in preparation) using
  - Regional institutions/cooperative arrangements
  - Pooled resources to fund international travel.

# Self-Supporting Objectives

- So our Program can succeed and continue
  - Beyond our State Department Grant support
- Developed cooperative arrangement plans
  - Regionally based institutions received courses
  - Pooled “stipends” to pay for international travel
- Develop contacts with larger, wealthier ones
  - That pay travel and receive longer workshops
  - Allowing concurrent workshops for smaller ones.

# Summary of Achievements

- Support from FACT, SUNY/UUP and USIS;
  - Mex. Cult. Inst.; Conahec; Dpt. State; Fulbright
- Fifteen + scholarships to CIT96/97/98/00/01
- Workshops in Mexico, Spain and Venezuela
- Scores of Science/Math Books Donated
- Contacts with Institutions/Researchers
- Development of Innovative Int'l Programs
- Facilitating Workshops by Other Faculty
  - Expanding both: program offers and offerors.

# Other Project Activities

- Consultant to Fundayacucho/UNERG
  - Faculty development and needs assessment
- Presentations: Pew Workshop; USIS/Mex.;
  - ACE97; SUNY CIT96, 97, 98; 2000, 01;
  - CIBEM98; ASCE99; Mexico City 2000
- Proposal reviewer/panelist FIPSE/NSEP
- Research proposals: NSF/FIPSE (Trilateral)
  - and NCES International Education Programs
- Several Journal Articles on Int'l Education

# Distance/Internet Work

- Universidad del Comahue, Argentina (98)
  - Developed a Masters Program in O.R.
  - Five International Faculty Working via Internet
  - Development of all Aspects of the Curriculum
  - Program Completed, Approved and Working
- Universidad Veracruzana, Mexico (00)
  - Distance Learning used in the Teaching of
  - Faculty Workshops to their Five UV campuses.

# Student Exchange Models

- TWO DIFFERENT APPROACHES EXIST:
- TRADITIONAL (CURRENT) MODEL:
  - Oriented toward humanities (language, history)
  - Directed by Office of International Programs
- OUR PROJECT PROPOSED MODEL:
  - Oriented toward Science and Engineering
  - Directed and Operated by Science faculty
  - Centered on Science Subjects/Curriculum.

# Pros and Cons of New Model

- **SOME ADVANTAGES:**
  - Subject matter akin to director allowing:
  - Easier technical transition for students and
  - Larger cooperation from foreign sources
- **SOME DISADVANTAGES:**
  - Possible duplication/coordination problems,
  - Potential turf challenge with the DIE and
  - Potential overload for Faculty Director.

# Student Characteristics

- business, science and engineering majors
- juniors/seniors with intermediate language
- spend a semester taking courses in major
- in host's language, with host's students
- courses must count for their degree
- immersion preparation before travel (LxC)
- symmetric for Mexican and US students.

# Student Exchanges

- Four US students, to Mexican universities
  - all four studied in science/math areas
  - their grades actually transferred back
- Full Student Program Still Pending
  - still looking for institutional support
- Several Research Proposals Written
  - but never obtained real institutional support
- Institutional Support is the Key Issue!

# Summary

- The Juarez-Lincoln-Marti Project Pursues:
  - Educational Benefits (science knowledge)
  - Institutional Benefits (academic development)
  - Economic Benefits (professional contacts)
  - Political Benefits (international knowledge)
  - Social Benefits (people to people diplomacy)
- For Faculty, Students and Peoples involved
- FROM ALL participating countries/societies
- If interested in helping out, contact us!