

## Grant Proposals

### 2006

1. **An Integrative Science Success, Teaching and Retention Program for STEM Education**, PI: B. Flores, co-PIs: J. Becvar, H. Knaust, J. López and J. Tinajero, NSF-DUE, \$1,964,912, submitted on 26/Sep./2006. Pending.
2. **PhysTec: Physics Teacher Education Coalition**, letter of interest submitted on 1/Nov./2006, J. López, E. Hagedorn, and M. Suskavcevic, American Physical Society, \$300,000, not invited to apply.
3. **Increasing minority representation in radiation oncology physics**, PI: M. Manciu, co-PI: J. López, NIH-NCI, \$508,461, 19/Sep./2006. This is a research and education proposal. **Awarded.**
4. **Increasing the retention and success of STEM students through the middle years**, PI: B. Flores, co-PIs: J. Becvar, M. Khamisi, J. López and J. Noveron, NSF-DUE, \$1,997,103, submitted on 9/Feb./2006. Denied.

### 2005

5. **Alliance of early education in physical science**, PI: S. Blake, co-PI: J. López, NSF-ESI, \$1,349,542, submitted on 14/Nov./2005. This was a research and education proposal. Denied.
6. **Increasing Hispanic participation in medical physics**, PI: R. Waggener (UT Health Sciences Center at San Antonio, co-PIs: J. López and M. Manciu, Texas Higher Education Board, \$149,300, Sep./2005. Denied.
7. **Minorities in radiation oncology physics**, PI: J. López, co-PI: M. Manciu, NIH-NCI, \$344,760, submitted on Feb./2005. This was a research and education proposal. Denied.

### 2004

8. **CREST: Center for Computational Science and Engineering**, PI: J. López, co-PIs: D. Doser, R. Ravelo, B. Usevitch, and D. Williams, NSF-CREST program, \$4,956,450, submitted on 1/21/2004. This was a research and education proposal. Denied.

### 2003

9. **The Texas EXTensive Air-shower-array Network (TEXAN)**, Pre-Proposal 010366-0199-2003 submitted by R. Webb, A. White, D. Judd, K. Lang, J. Lopez, N. Akchurin, D. Suson, W. Leeson, and F. Olness' to ATP program on 8/2003. Not invited to apply.
10. **Proposal to UTTeleCampus for Physics MS Core Courses**, PI: J. López, UT TeleCampus Program, requesting \$64,980 from agency for a project total of \$115,254, submitted on 3/14/2003. Not funded.
11. **Proposal for a Joint Program on Physics Instrumentation**, PI: G. Sewell, co-PIs: M. Mechetti (Univ. de Tucuman, Argentina) and J. López, Fulbright Alumni Initiative Awards Program, \$24,592, submitted on 2/12/2003. Not funded.
12. **CREST: Center for Computational Science and Engineering**, PI: J. López, co-PIs: C. Chiu, D. Doser, H. Nazeran, R. Ravelo, and B. Usevitch, NSF-CREST program, \$4,918,104, submitted on 14/Jan./2003. Not funded.
13. **Student Sponsorship at the Fifth Latin American Symposium on Nuclear Physics**, PIs: P. Cole and J. López, NSF-International Programs, \$18,000, submitted on 16/12/2003. **Funded.**

### 2002

14. **Laboratory for Undergraduate Education in Surface Studies**, PIs: J. López and W. Durrer, NSF-CCLI-DUE, \$199,984, submitted on December 4, 2002. Not funded.
15. **Development of a Laboratory for Research and Graduate and Undergraduate Education in Surface Studies**, PIs: J. López and W. Durrer, NSF-DMR-IMR, \$70,000, submitted on January 25, 2002. Not funded.
16. **Development of a Laboratory for Research and Graduate and Undergraduate Education in Surface Studies**, with W. Durrer, DoD program, \$119,000, 9/1/2002-8/31/2003. **Funded.**

### 2001

17. **Computer Simulations**, submitted to CETAL for \$6,500, from 4/2001 to 5/2002. **Funded.**
18. **Middle School Victory Project (Visual Calculus: Teaching of Rigorous Youngsters)**, with Sally Blake, submitted to NSF's REC-Educational Research Initiative program, \$4,687,022, 2/2/2001. Not funded.

### 2000

19. **Search of Gravitational Radiation**, PI: J. A. López, co-PIs: John Anderson and Eunice L. Lau, Jet propulsion Laboratory, submitted to NASA OSS/DEOP MUERPISS program, \$500,000, 9/5/2000. Not funded.

20. **Assessing Virtual Experiments in High School and Preparatoria Students**, \$1,705, CIABS, UTEP, from 9/2000 to 8/2001, funded.

1999

21. **Computational Physics**, \$7,000, submitted to the Teaching Effectiveness Committee, in collaboration with Ramon Ravelo, 1996, not funded.

22. **Computational Physics Course** with R. Ravelo, for approximately \$12,000, submitted to Texas Instruments in December 1996. Not funded.

23. **Computer-Based Laboratory for Modern Physics** \$88,574, The National Science Foundation DUE-ILI-LLD Program, funded in 9/1996.

24. **Hands-on Physics Activities for K-6th Grade Dual Language Classes**. \$35,617, Eisenhower Program, Texas Higher Educ. Coord. Board, Mar. 1996, not funded.

25. **Computer-Based Modern Physics Laboratory** \$9,868, UTEP's Model Institution of Excellence, funded in 6/1996.

26. **Hands-on Physics Activities for K-6th Grade Dual Language Classes**. \$12,000, Ysleta School District, Sept.. 1999, funded

27. **Calculator Based Physics Courses** with L. G. Valdez, for approximately \$25,000, submitted to Texas Instruments in October 1996. Not funded.

1997

28. **Reforma a la Educacion de la Ciencia: El Constructivismo en la Ensenanza de la Fisica**, for approximately \$12,000, submitted to University Autonoma of Chihuahua - Campus Juarez on 10/97. Not funded.

29. **Physics Projects for Upper-Level Math Courses**, for approximately \$15,000, submitted to UTEP's Model Institution of Excellence on 10/1997 in collaboration with Luis Valdez Sanchez. Not funded.

30. **Demonstration and Manipulative Equipment for the Upper-Level Physics and Chemistry Courses**, \$30,749 submitted to UTEP's Model Institution of Excellence in collaboration with Jorge Gardea Torresdey, not funded, 11/1997

31. **Proposal to Improve the Upper-Level Physics Courses**, approximately \$4,500, submitted to UTEP's Model Institution of Excellence on 12/1997. Not funded.

1996

32. **Physics Workshop for Teachers from Durango Mexico** proposal submitted in collaboration with C.H. Cooper to CIABS for \$300 to support Mexican teacher to come to UTEP for a laboratory workshop. Awarded by UTEP's Center for Inter-American and Border Studies in 6/1996. Funded.

33. **Hands-on Physics Activities for K-6th Grade Dual Language Classes**. \$35,617, Eisenhower Program, Texas Higher Educ. Coord. Board, Mar. 1996, not funded.

34. **Computer-Based Modern Physics Laboratory** \$9,868, UTEP's Model Institution of Excellence, funded in 6/96.

35. **Computer-Based Laboratory for Modern Physics** \$88,574, The National Science Foundation DUE-ILI-LLD Program, funded in 9/96 for the period 9/96 – 8/99. Funded.

36. **Calculator Based Physics Courses** with L. G. Valdez, for approximately \$25,000, submitted to Texas Instruments in October 1996. Not funded.

37. **Computational Physics Course** with R. Ravelo, for approximately \$12,000, submitted to Texas Instruments in December 1996. Not funded.

1995

38. **Excellence in Technology, Engineering, and Science Grant** NASA PACE/MSET Grant, in collaboration with J. M. Herrera, S. Stafford, W. Fisher, and L. Diaz-Rios, \$300,000. Funded for the period 9/95 to 8/98.

39. **In-Service Workshops in Chemistry & Physics for grades K-8** \$77,133, Eisenhower Program, Texas Coordinating Board, submitted in March 1995 in collaboration of Dr. J. Becvar, not funded.

40. **Research Career for Minority Scholars**, grant proposal submitted to the National Science Foundation with Dr. Arturo Bronson, for \$1,389,301, 2/1995. Not funded.

1994

41. **Computational Physics**, \$6,800, submitted to the College of Science, funded in 9/94.

42. **NASA Physics Centers**, \$84,000, funded by NASA Johnson Space Center, from 9/94 to 1997. To do outreach activities, including math and physics tutoring at five high schools through the "NASA Physics Centers" established at each of the selected high schools.

1993

43. **El Paso Physics Link**, J.A. Lopez and C.H. Cooper, submitted on March 1993 to UTEP's MRCE, requesting \$10,000 for additional funding for the summer program of the GTE funded project, for the period of June 1, 1993 to June 30, 1993. Funded.
44. **El Paso Physics Link**, \$30,000, submitted to GTE, in collaboration with Clarence Cooper, from 1993 to 1995. To do outreach activities and summer research experiences with high school students and physics teachers, funded.
45. **"The Annie Casey Foundation Physics Centers"**, J.A. López and C.H. Cooper, proposal submitted on July 1, 1993 to The Annie Casey Foundation, proposal for \$50,000 for a two year period submitted in November, 1993. Not funded.
46. **"Research on the Teaching of Computational Physics"**, J.A. López, submitted on June 14, 1993 to The University Research Institute - UTEP, requesting \$2,800 for the period of November 1993 to August 1994. Not funded.
47. **"The America West Airlines Physics Center"**, J.A. López and C.H. Cooper, submitted on July 1, 1993 to America West Airlines Foundation, requesting \$5,000 for a total project cost of \$9,829, for the period of November 1, 1993 to October 31, 1994. Not Funded.

#### 1992

48. **"Microcomputers in Education - Software for Teaching Mathematics to Bilingual College Students"**, M. Calderon, J.A. López, G. Shaw, and H. Herrera, submitted on April 1992 to The Teaching Effectiveness Committee - UTEP, requesting \$7,500 for the period of September 1992 to August 1993. Not Funded.