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Universidad de Colima
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EDUCATION

Ph.D. in Physics, **The University of Texas at Austin** 1996
B.S. in Physics, **Universidad Católica del Perú** 1989

PROFESSIONAL EXPERIENCE

2005-present Professor, Facultad de Ciencias, **Universidad de Colima**, Colima, México.

2004-2005 Visiting Scientist, **University of Texas at Austin**, Austin, TX, U.S.A.
2003-2004 Researcher.
CINVESTAV, Department of Physics, Mexico City, Mexico.

2002 Visiting Scientist.
Department of Physics, **Brown University**, Providence, Rhode Island, U.S.A.

1999-2001 Postdoctoral Fellow.
High Energy Section, **International Center for Theoretical Physics (ICTP)**,
Trieste, Italy.

1996-1999 Postdoctoral Fellow.
Department of Physics, University of California at Los Angeles (UCLA),
Los Angeles, California, U.S.A.

1993-1996 Research Assistant.
Theory Group, **The University of Texas at Austin**, Austin, Texas, U.S.A.

1991-1993 Teaching Assistant.
The University of Texas at Austin, Austin, Texas, U.S.A.

DISTINCTIONS and AWARDS

2004 S.N.I. Level 1.

GRANTS

CONACyT 2004-2005 Research Grant.

”String Theory and Quantum Chromodynamics” .
Principal Investigator. \$ 20,000 USD.

NSF -CONACyT 2003-2005.

”Non-Perturbative studies in string theory”
Joint grant CINVESTAV(Mexico)-UNAM(Mexico)- Brown University (U.S.A).
Participant. NSF: \$89,000 USD CONACyT: \$ 158,400 Pesos Mexicanos

COURSES TAUGHT

Physics 003 Physics for pre-medical students.
148 students
Brown University, 2002.

Physics 10 Physics for non-science majors.
50 students
UCLA, Summer 1998.

GRADUATE STUDENTS SUPERVISION

Xavier Amador Ceron

Ph. D. student.
Thesis Title: Topics on QCD and String Theory
CINVESTAV, Mexico City, Mexico.
Expected Graduation Date: 2005 .

Xavier Amador Ceron

Masters in Science.
Thesis Title: “DGKS Formalism in Conifolds: Extension of the AdS/CFT Correspondence
Beyond the Horizon Limit”. CINVESTAV, Mexico City , Mexico.
Graduation Date: 2002.

Adeola Adeluyi,

ICTP Diploma Course:
Thesis Title: “Non-renormalizable Lagrangians and Supersymmetry Breaking ”
Abdus Salam ICTP, Trieste, Italy.
Graduation date: 2001.

CONFERENCES AND TALKS

Brown Bag, University of Texas at Austin, Texas, USA, May 2005;

"N=1 Super Yang Mills glueball Spectrum from Wrapped Branes"

Colloquim, Williams College, MA, USA, April 2005;

"String Theory and Quantum Chromodynamics"

Seminario, Universidad de Colima, Colima, Mexico, Marzo 2005;

"Teoria de Cuerdas y Cromodinamica Cuantica"

QCD and String Theory Workshop, Kavli Institute for Theoretical Physics (KITP),

U.C.S.B, Santa Barbara, CA ; participant, Nov 15-Dec 11 2004.

Strings 2004, Paris, July 2004; participant.

8th QCD Workshop on Non-Perturbative QCD, Paris, June 2004;

invited speaker, *" Glueball Spectrum and Regge Trajectory from Supergravity"*

Workshop on Recent Developments in Supersymmetric Field Theories, ICTP, Trieste, Italy, June

2004, invited participant.

Seminar, High Energy Physics Group, ICN, UNAM, Mexico City, January 2004;

" Teoria de Cuerdas, Cromodinamica Cuantica y Trayectorias de Regge".

Facultad de Ciencias, Benemerita Universidad de Puebla, Puebla, Mexico, December 2003;

"Teoria de Cuerdas y la Pendiente de Regge".

Seminario Manuel Sandoval Vallarta , Instituto de Fisica, UNAM, Mexico City, November 2003;

"Teoria de Cuerdas y Cromodinámica Cuantica".

Annual Meeting of the "Division de Gravitacion y Fisica Matematica", UNAM, Mexico City, June 2003, plenary speaker;

" Teoria de Cuerdas y QCD".

Workshop "QCD and Strings", University of Michigan, Ann Arbor,U.S.A, April 2003, invited participant.

International Cientific Meeting, Lima, Perú, January 2003, plenary speaker;

"Latest Developments in String Theory".

Theory Seminar, Department of Physics, Brown University, 2002

"Non-conformal gauge theories and the deformed conifold" .

Departamental Colloquium, Universidad Autónoma de Puebla, Puebla, Mexico, June 2002

"Gauge /Gravity Duality and Glueball Masses.

Theory Seminar, Institute of Physics and Mathematics, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Mexico, May 2002,

"Confinement and String Theory".

SUSY 2001, Dubna, Russia, speaker,

"Glueball Masses for the Deformed Conifold theory".

Strings 2001, Mumbai, India,January 2001, invited participant.

Departamental Colloquium, CINVESTAV, Mexico, March 20001,

"String Theory and Gauge/Gravity Duality ".

Theory Seminar, CINVESTAV, Mexico, March 20001,

"Stacking Non-BPS Branes".

- Theory Seminar, CINVESTAV, Mexico, March 20001,
“Glueball Masses for the Deformed Conifold Theory”.
- Theory Seminar, Abdus Salam ICTP, Trieste, Italy.
“Glueball Masses for the Deformed Conifold theory”.
- Theory Seminar, Tel Aviv University, Israel, May 2000
“Wilson Loops in the Higgs phase of a Conifold theory”.
- Theory Seminar, Abdus Salam ICTP, Oct. 1999
“Phenomenological Aspects of Symmetric Vacua in M-Theory”.
- Theory Seminar, The University of Texas at Austin, Sept. 1998
“M-Theory Five-Brane and Exceptional Groups”.
- Strings 98, Santa Bárbara, participant.
- Theory Seminar, University of California at Los Angeles, UCLA, March 1998
“Wrapping the M5 brane”
- Series of Lectures, Instituto de Matemáticas y Ciencias Afines, Lima, Perú, Dec. 1997.*
“ Developments in String Theory”
 1- Seiberg-Witten
 2- Gauge Theories and Branes
 3- M-theory
- Strings 97, Amsterdam, participant.
- SUSY 97, Philadelphia, participant.
- Theory Seminar, University of California at Los Angeles, Oct 1996
“On String Duality and Large Volume Compactifications”
- Strings 96, Santa Bárbara, participant.
- Brown Bag Seminar, Theory Group, University of Texas at Austin
“On the Dynamics of $(SU(n))^k$ Gauge Theories with $N = 1$ Supersymmetry”,
 November 1995
- Unification: From Weak Scale to Planck Scale, Institute for Theoretical Physics, Santa Bárbara,
 participant, August-September 1995.
- Workshop on Gauge Theory, String Theory and Quantum Gravity, Abdus Salam ICTP, Trieste,
 Italy, April 1995, speaker,
“On The Impossibility of Large Radius Compactification in Perturbative String Theories”.
- Spring School on Gauge Theory, String Theory and Quantum Gravity, Abdus Salam ICTP, Trieste,
 Italy, participant, March-April 1995
- Strings 95, Los Angeles, speaker, *“On the Impossibility of Large Radius Compactification in Realistic String Theory”*, March 1995
- Gursey Memorial Conference: On Strings and Symmetries, Istanbul, Turkey, participant, June 1994
- International Workshop on Recent Advances in the Superworld, Houston, participant, April 1993

PUBLICATIONS

1. E.Cáceres, C. Nuñez:
"Glueballs of Super Yang Mills from Wrapped Branes"
hep-th/0506051
2. E.Cáceres:
"Glueball Spectrum and Regge Trajectory from Supergravity"
hep-ph/0410076
Proceedings of the Eighth Workshop on Non-Perturbative QCD, June 2004.
World Scientific Publishing Company.
3. X. Amador, E. Cáceres:
"Spin Two Glueball Mass and Glueball Regge Trajectory from Supergravity"
hep-th/0402061, to be published in **JHEP**.
4. X. Amador, E. Cáceres, H. García-Compeán, A. Guijosa:
"Conifold Holography"
hep-th/0305255
JHEP 06-2003-049
5. G.L Alberghi, E. Cáceres, K. Goldstein, D. A. Lowe:
"Stacking Non-BPS Branes"
hep-th/0105205
Phys. Lett. B520:360-366,2001
6. E. Cáceres, R. Hernández :
"Glueball Masses for the Deformed Conifold Theory"
hep-th/0011204,
Phys.Lett.B504:64-70,2001
7. E. Cáceres, R. Hernández :
"Wilson Loops in the Higgs Phase of Large N Field Theories on the Conifold"
hep-th/0004040,
JHEP 0006:027,2000
8. E. Cáceres, P. Pasanen :
"M-Theory Five-Brane Wrapped on Curves for Exceptional Groups"
hep-th/9806224,
Nucl.Phys.B543:572-591,1999
9. E. Cáceres, V. Kaplunovsky and M. Mandelberg:
"Large-Volume String Compactifications, Revisited"
hep-th/9606036,
Nucl.Phys.B493:73-100,1997
10. E. Cáceres, V. Kaplunovsky, M. Mandelberg:
"On the Impossibility of Large Radius Compactification in Realistic String Theories", Proceedings of "Strings 95", World Scientific Publishing Company.

WORK IN PROGRESS

11. E.Cáceres, J. Mas, C. Nuñez:
"Hydrodynamics of Guaged Supergravities"
12. E. Cáceres, J. Mas:
"Glueballs from Janus Solution"

REFERENCES

- Eric D'Hoker
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University of Texas at Austin
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CONTACT INFORMATION

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