

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Nihat Sadik Deger
Date and Place of Birth: February 6 1972, Ankara, Turkey
Nationality: Turkish
Marital Status: Married
Gender: Male

CONTACT INFORMATION

Address: Bogazici University
Department of Mathematics
Bebek, 34342
Istanbul-Turkey

Phone: +90 -212 -359 66 50
Fax: +90 -212 -287 71 73
e-mail: sadik.deger@boun.edu.tr

EDUCATION and ACADEMIC TITLES

April 2004: Associate Professorship entitled by YOK.

1996-2001: Ph.D. in Theoretical Particle Physics at Texas A&M University. Supervisor: Prof. Ergin Sezgin
Dissertation Title: AdS/CFT Duality From The Supergravity Point of View

1994-1996: Graduate studies in Physics at Middle East Technical University, Ankara, Turkey. Supervisor: Prof. Tekin Dereli

1990-1994 (January): B.Sc. both in Physics (Special Program) and Mathematics (Double Major) at Middle East Technical University, Ankara, Turkey.

EMPLOYMENTS

May 2006- Present: Associate Professor at Department of Mathematics, Bogazici University, Istanbul, Turkey.

October 2004- May 2006: Assistant Professor at Department of Mathematics, Bogazici University, Istanbul, Turkey.

2001-2004: Postdoctoral Researcher at Feza Gursey Institute, Istanbul, Turkey.

1996-2001: Teaching Assistant at Texas A&M University.

1994-1996: Teaching Assistant at Middle East Technical Un., Ankara, Turkey.

AWARDS and FELLOWSHIPS

- TUBITAK Science Award for Young Scientists, 2009.
- Junior Associateship (5 years) at Abdus Salam International Center for Theoretical Physics (ICTP), Trieste, Italy in 2006.
- Young Scientist Award (3 years) by Turkish Academy of Sciences (TUBA-GEBIP) in 2006.
- Associate Membership to Feza Gursey Institute since October 2005.
- Bogazici University Young Researcher Award in 2004.
- Sedat Simavi Natural Sciences Award in 2003.
- NATO Scholarship for Ph.D Studies abroad from TUBITAK in 1996.

COURSES TAUGHT

- Math 101 Calculus I
- Math 102 Calculus II
- Math 162 Discrete Mathematics
- Math 201 Matrix Theory
- Math 202 Differential Equations
- Math 231 Calculus for Mathematics Students III
- Math 475 Differential Geometry
- Math 478 Groups and Geometries
- Math 480 Seminar
- Math 48G General Relativity
- Math 586 Riemannian Geometry

SPECIAL LECTURES PRESENTED

- I gave lectures on “General Relativity” at IARS 2009, Feza Gursey Institute, Istanbul, August 2009.
- I gave lectures on “AdS/dS Spaces”, “Supersymmetry” and “S-Branes” at “Research Semester on Gravitation and Cosmology” (Organized by Feza Gursey Institute), Istanbul, Turkey, June-July 2003.
- I gave lectures on “AdS/CFT Duality” at “School on String Theory” (Organized by Feza Gursey Institute and ICTP), Istanbul, Turkey, September 2001.

STUDENTS

- Bora Ferlengez, M.Sc. September 2008, Thesis Title: Classification of Non-Symmetric Riemannian Manifolds Using Holonomy Groups.

ADMINISTRATIVE DUTIES

- Academic Advisor (Third years)
- Member of Student Dormitories Committee

MEETINGS ORGANIZED

- “A Short Course on Supergravity”, IMBM, February 2009.
- “An Introductory Course on AdS/CFT Duality”, Feza Gursey Institute, June 2008.
- “A Mini Workshop on Effective Field and Gravity Theories”, IMBM, June 2007.
- “A Symposium on Supersymmetry and Gravitation”, Bogazici University, February 2006.

SCHOOLS, WORKSHOPS and CONFERENCES ATTENDED

- “Spring School on Superstring and Related Topics”
ICTP, Trieste, Italy, March 2009.
- “Strings”, Geneva, CERN, August 2008.
- “Pre-Strings”, Zurich, August 2008.
- “Strings, Branes and Cosmology”, Koc University, Istanbul, Turkey, July 2007.
- “Strings”, Madrid, June 2007.
- “Pre-Strings”, Granada, Spain, June 2007.
- “Spring School on Superstring and Related Topics”
ICTP, Trieste, Italy, March 2007.
- “23 International Physics Congress by Turkish Physical Society”
Mugla, Turkey, September 2005.
- “Spring School on Superstring and Related Topics”
ICTP, Trieste, Italy, March 2004.

- “Spring School on Superstring and Related Topics”
ICTP, Trieste, Italy, March 2003.
- “School on Geometry and String Theory”, A Clay Mathematics
Institute Workshop at the Newton Institute, Cambridge, UK, April 2002.
- “Spring School on Superstring and Related Matters”
ICTP, Trieste, Italy, March 2002.
- “Workshop on Strings, Branes and Field Theory”, Benasque Center
for Science, Benasque, Spain, July 2001.
- “TASI, Strings, Branes and Extra Dimensions”, University of
Colorado, Boulder, USA, June 2001.
- “Feza Gursey Memorial Conference II”, Bogazici University,
Istanbul, Turkey, June 2000.
- “Connecting Fundamental Physics and Cosmology”, Isaac Newton
Institute, Cambridge, UK, August 1999.
- “Progress in String Theory and M-Theory”, NATO Advanced
Institute, Cargese, France, May 1999.
- “Spring School and Workshop on String Theory, Gauge Theory and
Quantum Gravity”, ICTP, Trieste, Italy, March 1996.

LIST of PUBLICATIONS

- 1. Beta, Dipole and Noncommutative Deformations of M-theory Backgrounds with One or More Parameters**
A. Catal-Ozer, N.S. Deger, arXiv:0904.0629. (Submitted to a journal)
- 2. Chern-Simons S-Brane Solutions in M-theory and Accelerating Cosmologies**
N.S. Deger, A. Kaya, JHEP 0904 (2009) 109, arXiv:0903.1186.
- 3. A Note on Intersections of S-branes with p-branes**
N.S. Deger, Phys.Rev. D75 (2007) 126002, hep-th/0703082.
- 4. New Supersymmetric Solutions in N=2 Matter Coupled AdS_3 Supergravities**
N.S. Deger, O. Sarioglu, JHEP 0608 (2006) 078, hep-th/0605098.
- 5. Supersymmetric Strings and Waves in D=3, N=2 Matter Coupled Gauged Supergravities**
N.S. Deger, O. Sarioglu, JHEP 0412 (2004) 039, hep-th/0409169.
- 6. Multi-Spin Giants**
S. Arapoglu, N.S. Deger, A. Kaya, E. Sezgin, P. Sundell
Phys.Rev. D69 (2004) 106006, hep-th/0312191.
- 7. A Note on Supergravity Solutions for Partially Localized Intersecting Branes**
S.Arapoglu, N.S. Deger, A. Kaya
Phys.Lett. B578 (2004) 203, hep-th/0306040.
- 8. Non-Standard Intersections of S-Branes in D=11 Supergravity**
N.S. Deger, JHEP 0304 (2003) 034, hep-th/0303232.
- 9. Renormalization Group Flows from D=3, N=2 Matter Coupled Gauged Supergravities**
N.S. Deger, JHEP 0211 (2002) 025, hep-th/0209188.
- 10. Intersecting S-Brane Solutions of D=11 Supergravity**
N.S. Deger, A. Kaya, JHEP 0207 (2002) 038, hep-th/0206057.
- 11. World-Volume Description of M2-branes Ending on an M5-brane**
N.S. Deger, A. Kaya, Phys.Lett. B538 (2002) 164, hep-th/0203239.
- 12. (2,0) Chern-Simons Supergravity Plus Matter Near the Boundary of AdS_3**
N.S. Deger, A. Kaya, E. Sezgin, P. Sundell, Y. Tanii
Nucl.Phys. B604 (2001) 343, hep-th/0012139.

13. AdS/CFT and Randall-Sundrum Model Without a Brane

N.S. Deger, A. Kaya, JHEP 0105 (2001) 030, hep-th/0010141.

14. Matter Coupled AdS_3 Supergravities and Their Black Strings

N.S. Deger, A. Kaya, E. Sezgin, P. Sundell

Nucl.Phys. B573 (2000) 275, hep-th/9908089.

15. Spectrum of D=6, N=4b Supergravity on $AdS_3 \times S^3$

N.S. Deger, A. Kaya, E. Sezgin, P. Sundell

Nucl.Phys. B536 (1998) 110, hep-th/9804166.