

CURRICULUM VITAE

ANTAL JEVICKI

Professor, Department of Physics
Brown University
Providence, Rhode Island

Education

B.S.in Theoretical Physics, Belgrade University, Yugoslavia, 1972
Ph.D., City University of New York, July 1976.

Postdoctoral position: Institute for Advanced Study, Princeton, New Jersey, 1976-1979

Professional Appointments/Honors

Full Professor of Physics, Brown University, Providence, RI: 1987-Present.
Associate Professor , Brown University, Providence, RI:1981-1987.
DOE Outstanding Junior Investigator,1981-1984.
Alfred P. Sloan Foundation Fellow, 1981-1984.
Visiting Member, Institute for Theoretical Physics, Santa Barbara, September 1981-February 1982.
Visiting Professor, Ecole Normale Supérieure, Paris, France, 1983-1984.
Associate Scientist, CERN, Geneva 1985.
Member, The Institute for Advanced Study, Princeton, New Jersey, 1986.
Visiting Professor, Yukawa Institute (Kyoto), May-July 1992.
Visiting Professor, Japanese Society for the Promotion of Science, 1996.
Visitor, String Theory, Harvard University, 2000-2001
Visiting Professor, University of Witwatersrand, Johannesburg, S Africa
Visiting Professor, University of Cergy, France, 2015
Distinguished Fellow, Asia Pacific Center for Theoretical Physics, Pohang, Korea

RECENT PUBLICATIONS

1. Bi-Local Holography in the SYK Model

[Antal Jevicki](#), [Kenta Suzuki](#), [Junggi Yoon](#) ([Brown U.](#)). **JHEP 1607 (2016) 007**

2. Bi-Local Holography in the SYK Model: Perturbations [Antal Jevicki](#), [Kenta Suzuki](#) ([Brown U.](#)). Aug 26, 2016. 29 pp. Published in **JHEP 1611 (2016) 046**

3. Three Dimensional View of the SYK/AdS Duality

[Sumit R. Das](#) ([Kentucky U.](#)), [Antal Jevicki](#), [Kenta Suzuki](#) ([Brown U.](#)).

Published in **JHEP 1709 (2017) 017**

4. Three Dimensional View of Arbitrary Qq SYK models

[Sumit R. Das](#), [Animik Ghosh](#) ([Kentucky U.](#)), [Antal Jevicki](#) ([Brown U.](#) & [Princeton, Inst. Advanced Study](#)), [Kenta Suzuki](#) ([Brown U.](#) & [Brown U.](#)). Nov 27, 2017. 18

5.Space-Time in the SYK Model Sumit R. Das, Animik Ghosh, Antal Jevicki, Kenta Suzuki. Dec 7, 2017. 24 pp. Published in **JHEP 1807 (2018) 184**

6.AdS Maps and Diagrams of Bi-local Holography

Robert de Mello Koch , Antal Jevicki (Brown U.), Kenta Suzuki (Brown U. & Ecole Polytechnique, CPHT), Junggi Yoon (Korea Inst. Advanced Study, Seoul). Oct 4, 2018. 35 pp. Published in **JHEP 1903 (2019) 133**

7.Anatomy of Deconfinement

Masanori Hanada , Antal Jevicki (Brown U.), Cheng Peng , Nico Wintergerst (Bohr Inst.). Sep 19, 2019. 22 pp. Published in **JHEP 1912 (2019) 167**

Full List:

Inspire:<https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=a%20jevicki&ui-citation-summary=true>

Google Scholar : <https://scholar.google.com/citations?user=SPNyXaUAAAAJ&hl=en>

Selected Publications

The following papers were reprinted in various edited collections :

1. “Perturbation Expansion around Extended Particle States in Quantum Field Theory” [Ref.2] reprinted in the series “Selected Papers in Physics” (Volume on the “Theory of Gauge Fields”) published by the Physical Society of Japan, 1976.
2. A Collective Coordinate Method for Quantization of Extended Systems” [Ref.3] reprinted in the Collection “Nonlinear Phenomena in Quantum Physics” World Scientific Pub. Co., 1984.
3. Semi-Classical Spectrum of the Continuous Heisenberg Spin Chain” [Ref. 15] reprinted in the collection “Coherent States”, J. R. Klauder and B. S. Skagertsam editors. World Scientific Pub., 1984.
4. “The Quantum Collective Field Method and Its Application to the Planar Limit” [Ref. 18], reprinted in the collection “Large N Methods in Field Theory and Statistical Physics”, World Scientific, Ed. E. Brezin and S.Wadia.

5. “String Field Theory and Physical Interpretation of $c=1$ Strings” [Ref. 61], reprinted in the collection “Two-dimensional String Theory” the collection of papers in “Large N Methods in Field Theory”, World Scientific, E. Brezin and S. Wadia ed.

Recent Scholarly Activities/Invited Talks

- Invited Speaker, Simons Center Workshop on Higher Spins and Holography, Stony Brook, 14-18 March, 2011.
- Speaker, John Hopkins Workshop on AdS/CFT and its Applications, Budapest, June 22-24, 2011.
- CQuest Workshop on High Spins, Sogang University, Seoul, Korea, March 28-April 1, 2012.
- Lecturer, Erwin Schrodinger Institute Workshop on Higher Spin Gravity, Vienna, April 10-20, 2012.
- Invited Speaker, V. Ginzburg Memorial Conference, Moscow, May 27-June 3, 2012.
- Invited speaker, John Hopkins Meeting on ADS/CFT and its Applications, Eotvos University, Budapest, June 21-24, 2011.
- Speaker, Rencontres du Vietnam, International Conference on Multiparticle Scattering, Guy Nhon, Vietnam, December 15-21, 2011.
- Invited Speaker: 2nd Solvay Conference on Higher Spin Gauge Theories”, Institut Solvay, Brussels, Feb 5-8, 2013,
- Invited speaker Invited talk, Workshop on AdS/CFT, Integrability and Finite N, Sept 17-21, Johannesburg.
- Talk at the Higher Spin Conference “Higher Spins, Strings and Dualities” Institute Galileo Galilei, May 6-9, 2013
- Invited Speaker, Inaugural Wigner Symposium, Hungarian Academy of Sciences, Nov 11-14, 2013 (Budapest)
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- Speaker, Galileo Galilei Institute Workshop “New Developments in AdS3/CFT2 Holography”, Florence, Italy, 27th of March - 30th of April 2017
- Speaker and Participant, Tenth Johannesburg Workshop on String Theory, Kruger Rural Facility, Dec 18-22, 2017.
- Speaker, International Conference on Quantum Theory and Symmetries, 19-25 June, Varna, Bulgaria
- Speaker, Conference on Holographic Quantum Matter, Fine Institute of Theoretical Physics, University of Minnesota, May 3-6, 2018

- Speaker, Fifteenth Workshop on Non-perturbative QCD , Institute Astrophysique,Paris,France.June 11-14 , 2018
- Speaker at the "Conference on "Gauge/Gravity Duality 2018" , University of Wuerzburg, Wuerzburg, Germany, July 30-Aug 2 2018
Title:"Bulk and Witten Rules in Bi-local Holography"
- Co/organizer of the "Mandelstam School and Workshop in Theoretical Physics",Durban, S Africa,Jan 11-14,2017.
- "Witten Diagrams in Higher Spin Duality" , Third Mandelstam Workshop in Theoretical Physics, Durban South Africa (January 7-17,2019)
- "Graphs and Vertices of Higher Spin Holography" E Schrodinger Institute Workshop on Higher Spin Holography,Vienna,(March 11-21,2019)
- "Emergent Space-Time in Simple Systems" ,Conference "Space Time Matrices" held at IHES,Paris,France (25 - 27 February 2019)
- "Conference on Large N Theories and Strings",Princeton Center for Theoretical Sciences,Princeton University, February 19-22, 2020
- "Large N Thermofield " 5th Mandelstam Workshop on QFT, Jan 10-20,2023

Recent Ph.D. Advises: Sera Cremonini (2006)Lehigh Univ., Professor; Aristomenis Donos (2008),Faculty, Durham University; Ines Aniceto, (2010)University of Bristol; Kewang Jin (2012) ETH,Zurich , Qibin Ye,(2014);Jung-Gi Yoon (2016) Junior Research Group Leader,APCTP.Korea; Kenta Suzuki (2018) Ecole Polytechnique,Paris,France, Yukawa Institute ,Kyoto.