

Rachid Nouicer

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Professional and Academic Appointments

- 2019 – present **Senior Physicist**, Brookhaven National Laboratory, New York.
- 2007 – 2019 **Physicist**, Brookhaven National Laboratory, New York.
- 2014 – present **Adjunct Professor**, Stony Brook University, New York.
- 2004 – 2007 **Associate Physicist**, Brookhaven National Laboratory, New York.
- 2002 – 2004 **Research Associate Professor**, University of Illinois at Chicago, Chicago.
- 2000 – 2002 **Research Assistant Professor**, University of Illinois at Chicago, Chicago.
- 1998 – 2000 **Postdoctoral fellowship**, University of Illinois at Chicago, Chicago.
- 1994 – 1997 **Ion Beam Operator**, 35 MV Vivitron Van de Graaff Tandem Accelerator, CNRS, Strasbourg, France.

Other Significant Appointments

- 2009 – present **Visiting Scientist**, RIKEN BNL Research Center (RBRC), New York.
- 2007 **Visiting Scientist**, Physics Department, Calgary University, Calgary, Canada.
- 1998 – 2000 **Visiting Scientist**, Argonne National Laboratory, Chicago, Illinois.

Education and Qualifications

- 2015 **Certificate of Qualification for Professor of Universities "Professeur des Universités (PR)"**
Ministry of Higher Education and Research, France. Qualification N^o: 15129096098
- 2013 **Highest Academic French Diploma (H.D.R)**
"Habilitation à Diriger des Recherches", University of Strasbourg, France
Title: New State of Nuclear Matter: Nearly Perfect Fluid of Quarks and Gluons in Heavy Ion Collisions at RHIC.
URL: <http://tel.archives-ouvertes.fr/tel-00925262>
Committee : Joerg Aichelin (U. Nantes, FR), Christian Beck (CNRS-IPHC, FR), Barbara Erazmus (CNRS-SUBATECH, FR), Peter Jacobs (LBNL, USA), Abdel-Mjid Nourreddine (U. Strasbourg, FR), Christelle Roy (CNRS-IPHC, FR), and Yves Schutz (CNRS-SUBATECH, FR)
- 2005 **Certificate of Qualification for Teaching "Maître de conférences"**.
Ministry of Higher Education and Research, France. Qualification N^o: 00229096098
- 1997 **Ph.D. Diploma in Nuclear Physics (Doctorate)**, University Louis Pasteur and National Center for Scientific Research (CNRS), Strasbourg, France.
Grade : High Honors with Distinction **URL:** <http://tel.archives-ouvertes.fr/tel-00805800>
- 1994 **M.A.S. Master of Advanced Studies (DEA) in Nuclear Physics**, University Louis Pasteur Strasbourg, FR.

Courses Taught and Mentoring

- 2014 – present **Adjunct Professor**, department of physics and astronomy, [Stony Brook University \(SBU\)](#), NY. Instructor in Classical Physics-I, Classical Physics-II, and Classical Physics-A during Spring semester 2015, Fall semester 2015, Spring semester 2016, Fall semester 2016 and Spring semester 2017.
Recognition: **"Outstanding Recitation Instructor in 2015"**
- 2010- 2011 **Mentor** of six high school students during summers at BNL: Thomas Braine, Kevin Hua, Dalal Anish, Steven Cincottas, Rana Isha and David Heilbrun.
- 2008 – 2010 **Co-Advisor** (with Prof. Abhay Deshpande) of Steven A. Kaneti, Master of Scientific Instrumentation in Physics, Stony Brook University. Title : Prototype Silicon Stripixel Detector for PHENIX Experiment.
- October 2007 Member of Ph.D. thesis defense committee of Mrs. Vasundhara Chetluru , Uni. of Illinois at Chicago.
- 2000 – 2004 I participated in teaching and in the supervision of graduate students as **Research Assistant Professor** and then **Research Associate Professor** with Prof. Russell Betts at UIC.

- 2003 – 2011 **Mentor** of 23 students and post doctoral fellows (in collaboration with Prof. Abhay Deshpande) worked in the silicon stripixel detector (VTX) for the PHENIX upgrade. Those students originated from several institutions Columbia Uni, Stony Brook Uni., Iowa State Uni., and RIKEN (Japan).
- 1994 to 1997 **Co-Advisor** (with Dr. Christian Beck, Director of Research CNRS, and supervisor of my Ph.D.) of several students were working in the group SPARC, IReS/CNRS, Strasbourg, France.

Scientific Talks and Publications Summary

- 60⁺** Invited/plenary talks at international conferences and workshops, colloquia and seminars.
- 60⁺** Publications: main/key author, member of physics working group, and member of internal review committee.
- 238⁺** Published, **64⁺** average citations per paper, and **67** h-index ([Q-Spires for details](#))

Professional Society Membership

- Member of the American Physical Society (APS): <http://www.aps.org/>
- Member of the European Physical Society (EPS): <http://www.eps.org/>
- Member of the American Association for the Advancement of Science (AAAS): <https://www.aaas.org/>

Scientific Collaboration and Positions there in

- **PHOBOS Detector Collaboration at BNL.**
 - 2005 – 2008 Member of PHOBOS Executive Council.
 - 2004 – 2008 Multiplicity Physics Working Group Convener.
 - 2005 – 2008 Member of Flow Internal Review Committee.
 - 2000 – 2009 Primary analyzer of 4π particle multiplicity density distributions using “hit-counting” method for all energies in Au+Au, Cu+Cu, d+Au and p+p measurements (11 published papers in refereed journals).
 - 1999 – 2005 Co-manager of the silicon semiconductor detector starting from construction up to daily operation.
- **PHENIX Detector Collaboration at BNL.**
 - 2012 – present Member of VTX heavy flavor analysis group.
 - 2010 – 2016 Manager of commissioning and operation of silicon semiconductor stripixel detector (VTX).
 - 2004 – 2010 Principal contact and deputy manager of the construction of silicon stripixel detector upgrade project.
 - 2010 – 2011 Member of PHENIX Speakers Bureau.
 - 2008 – 2010 PHENIX Global-Hadron Physics Working Group Convener.
 - 2008 – 2010 Committee member of the PHENIX beam proposal.
- **sPHENIX Detector Project at BNL.**
 - 2016 – present Project co-manager of the INTermediate Silicon Tracker detector for sPHENIX at RHIC.

Positions in the National and International Organizations

- 2017 – present Member of International Advisory Committee, International Conference New Frontiers in Physics (ICNFP):
<https://indico.cern.ch/event/754973/page/14599-organisation>
 – Co-convener of the session on Instruments and Methods in ICNFP
- 2014 – present Grant Reviewer of the Hungarian Scientific Research Fund (OTKA).
- 2015 – present Referee Articles, the European Physical Journal A.
- 2006 – present Referee Articles, the Journal of Physics G: Nuclear and Particle Physics.

- 2006 – 2012 Grant Reviewer of the US DOE's Small Business Innovation Research (SBIR).
- June 2014 Local organizer of workshop open heavy flavor for the RHIC & AGS Annual Users Meeting.
- January 2012 Review committee member of the Intermediate Silicon Tracker for the STAR upgrade at RHIC.
- June 2010 Local organizer of Viscosity/hydro/initial conditions for the RHIC & AGS Annual Users Meeting.
- 2007 – 2009 Chair/member of the organizing committee of the nuclear physics seminars, physics dep., BNL.
- February 2008 Organizer of Symposium at BNL: What have we learned from Quark Matter conference?

Honors and Awards

- 2018 Recognition, Excellent Research Achievements, RIKEN Research Laboratory, Japan.
- 2017 Fellow (Elected), American Physical Society: [APS Fellow Archive](#).
- 2015 Recognition, Outstanding Recitation Instructor in 2015, Dept. of Physics and Astronomy, Stony Brook University.
- 2014 Recognition, Grateful Appreciation for 10 Years of Dedicated Service, Brookhaven National Laboratory.