

SIDDHARTHA SAHI

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EDUCATION

Yale University
Ph.D. in Mathematics. Advisor: Gregg Zuckerman **1985**
Ph.D. in Operations Research. Advisor: Martin Shubik **1987**
M.A., M.Phil. in Operations Research. **1981**
St. Stephen's College, Delhi University, India
B.Sc. (Honors) in Mathematics **1979**

ACADEMIC PRIZES AND AWARDS

BML Saheb Gold Medal (first rank in Delhi University) **1979**
Suresh Bhatia Gold Medal (Mathematics) **1979**
J.N. Mitra Prize (Mathematics and Physics) **1979**
National Science Talent Scholarship (India) **1976 – 1979**

PROFESSIONAL HISTORY

Rutgers University
Professor of Mathematics **1999 – present**
Associate Professor **1993 – 1999**
Princeton University
Assistant Professor **1987 – 1993**
Instructor **1986 – 1987**
Institute for Advanced Study
Member, School of Mathematics **1985 – 1986**

HONORS

Affiliated Member, Stony Brook Center for Game Theory **2021**
Elected Fellow of the American Mathematical Society **2020**
For contributions to harmonic analysis and representation theory of real reductive groups, algebraic combinatorics, probability, mathematical physics and statistics.
Rosie and Max Varon Visiting Professorship (Weizmann Institute, Israel) **2017**

EDITORSHIP

Journal of Lie theory **2021 – present**
Representation theory and mathematical physics, Contemp. Math 557 **2011**
Jack, Hall-Littlewood, and Macdonald polynomials, Contemp. Math 417 **2006**

GRANTS

Current:
NSF: 2001537: Research in Representation Theory (Standard Grant) **2020**
NSF: 1939600: Symmetric Spaces and Their Generalizations (Conference Grant) **2019**
Simons Foundation: 509766: Representation Theory and Applications (Collaboration) **2017**
Past:
6 NSF standard grants, 2 NSA standard grants, 2 NSF conference grants, 1 FRG grant **1987 – 2017**

MENTORSHIP

Post-doctoral fellows:

Gautam Gopal Krishnan (from Cornell, current), Henrik Gustafsson (to Chalmers, **2021**),
Dmitry Gourevitch (to Weizmann, **2011**), Alexander Dvorsky (to Miami, **2000**).

Ph.D. Students:

Jason Saied (**2022**, expected), Songhao Zhu (**2023**, expected), Johnny Fonseca (**2024**, expected),
Alejandro Ginory (**2020**, Rutgers), Johannes Flake (**2018**, Aachen), Yusra Naqvi (**2014**, UC London),
Waldeck Schutzer (**2004**, Sao Carlo, Brazil), Bogdan Ion (**2002**, University of Pittsburgh).

Undergraduates:

8 Honors Track Students, 4 REU students, 2 Aresty Research Students, 1 Henry Rutgers Scholar

SERVICE

Conferences Organized:

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|---|-------------|
| Symmetric spaces, their generalizations, and special functions, Ottawa | 2022 |
| QRST: Quantum groups, Representation theory, Superalgebras, and Tensor categories | 2020 |
| Lie theory and its interactions with Geometry and Combinatorics, Ottawa | 2017 |
| Hecke algebras and Lie theory, Ottawa | 2016 |
| Representation theory and mathematical physics, Yale University | 2010 |

University Service:

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| Rutgers University Senate | 2009 – 2015 |
| Budget and Finance Committee | 2009 – 2015 |
| Promotion and Tenure Committee (School of Arts and Sciences) | two 2-year terms |

VISITING POSITIONS

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|---|-----------------|
| Weizmann Institute, Rehovot, Israel | 8 visits |
| Harish Chandra Institute, Allahabad, India | 6 visits |
| Simons Center for Geometry and Physics, Stony Brook | 2 visits |
| Max Planck Institute, Bonn, Germany | 2 visits |
| Institute for Advanced Study, Princeton | 2 visits |
| University of Pennsylvania, Philadelphia | 2017 |
| Princeton University, Princeton | 2006 |
| Isaac Newton Institute, Cambridge, UK | 2001 |
| Mittag-Leffler Institute, Stockholm, Sweden | 1995 |
| Mathematical Sciences Research Institute, Berkeley | 1988 |
| Cowles Foundation, Yale University, New Haven | 1987 |

SELECTED RECENT LECTURES

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| Springfest: In honor of Vera Serganova, Israel Mathematical Society | 2021 |
| Hypergeometry, Integrability, and Lie theory: In honor of Jasper Stokman, Leiden | 2020 |
| Probability and Symmetric Functions: In honor of Grigori Olshanski, MIT | 2019 |
| Perspectives on representations of semisimple Lie algebras: In honor of Gregg Zuckerman, Bochum | 2019 |
| Representation Theory, Geometry and Quantization: Mathematical legacy of Bertram Kostant, MIT | 2018 |
| International Game Theory Conference: In honor of Pradeep Dubey and Yair Tauman, Stony Brook | 2017 |
| Dunkl operators, special functions and harmonic analysis: In honor of Charles Dunkl, Paderborn | 2016 |