

## Relative Langlands Program (29 Dec 2025–16 Jan 2026)

### List of Speakers and Talk Titles

| Name & Affiliation                                                              | Talk Title                                                            |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Mini Course                                                                     |                                                                       |
| Valentin Buciumas<br>Pohang University of Science and Technology, S. Korea      | Quantum Groups and Relative Langlands                                 |
| Spencer Leslie<br>Boston College, USA                                           | Relative Trace Formulas, Endoscopy, and Duality                       |
| David Nadler<br>University of California, Berkeley, USA                         | Relative Duality for Symmetric Spaces                                 |
| Harold Williams<br>University of Southern California, USA                       | Coulomb Branches in Geometry and Representation Theory                |
| Conference Talk                                                                 |                                                                       |
| Raphael Beuzart-Plessis<br>Institut de Mathématiques de Marseille (I2M), France | On the Surjectivity of the Local Genestier-Lafforgue Parameterization |
| Eric Chen<br>EPFL, Switzerland                                                  | Automorphic Unfolding and Higher Teichmüller Theory                   |
| Michael Finkelberg<br>Hebrew University of Jerusalem, Israel                    | Relative Langlands Duality for $\mathrm{osp}(2n+1-2n)$                |
| Solomon Friedberg<br>Boston College, USA                                        | Periods and Shimura Correspondences                                   |
| Nadya Gurevich<br>Ben-Gurion University of the Negev, Israel                    | Generalized Fourier Transforms and Minimal Representations            |
| Michael Harris<br>Columbia University, USA                                      | Periods of Automorphic Forms and Motivic Periods                      |
| Bernhard Krötz<br>Universität Paderborn, Germany                                | On Norms on Harish-Chandra Modules                                    |
| Ivan Loseu<br>Yale University, USA                                              | Towards the Bar Involution for Double Affine Hecke Algebras           |

| Name & Affiliation                                                                                   | Talk Title                                                                                                    |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Zhengyu Mao<br>Rugters University, USA                                                               | Period Integrals attached to Strongly Tempered BZSV Quadruples                                                |
| Nadir Rafi Matringe<br>NYU Shanghai, China                                                           | Local-global Principles for Periods of Automorphic Forms                                                      |
| Hiraku Nakajima<br>Kavli IPMU , Japan                                                                | Symmetric Bow Varieties and Examples of S-dual Pairs                                                          |
| Paul Nelson<br>Aarhus University, Denmark                                                            | Equidistribution and Moments of L-functions                                                                   |
| Yiannis Sakellaridis<br>John Hopkins University, USA                                                 | Relative “Beyond Endoscopy” and Separation of the Ramanujan Spectrum                                          |
| Peter Sarnak<br>Princeton University, USA                                                            | <i>Oppenheim Lecture</i><br>From Markoff to Oppenheim and Beyond<br><br>The Ramanujan and Density Conjectures |
| Binyong Sun<br>Zhejiang University, China                                                            | Archimedean Modular Symbols and Automorphic Periods                                                           |
| Liang Xiao<br>Beijing International Center for<br>Mathematical Research, Peking<br>University, China | Theta Liftings in Higher Chow Groups for Orthogonal Shimura Varieties                                         |
| Hang Xue<br>The University of Arizona, USA                                                           | Nontempered Local Gan-Gross-Prasad Conjecture for Unitary Cohomological Representations of $U(n,1)$           |
| Zhiwei Yun<br>Massachusetts Institute of Technology,<br>USA                                          | Theta Correspondence and Springer Correspondence                                                              |
| Wei Zhang<br>Massachusetts Institute of Technology,<br>USA                                           | Gross–Zagier Formula in High Dimensions                                                                       |
| Zhiyu Zhang<br>Stanford University, USA                                                              | Shimura Varieties and Twisted Period Integrals                                                                |
| Short Research Talk                                                                                  |                                                                                                               |
| Cheng Chen<br>Centre national de la recherche<br>scientifique (CNRS), France                         | On the Waldspurger’s Identity                                                                                 |
| Yuhao Cheng<br>Tsinghua University, China                                                            | Beyond Endoscopy via the Trace Formula                                                                        |

| Name & Affiliation                                           | Talk Title                                                            |
|--------------------------------------------------------------|-----------------------------------------------------------------------|
| Swapnil Garg<br>University of California, Berkeley, USA      | Computing Microstalks in the Betti Automorphic Category               |
| Peng Hao<br>Massachusetts Institute of Technology, USA       | Beilinson-Bloch-Kato Conjecture for Polarized Motives                 |
| Chang Huang<br>Tsinghua University, China                    | Twisted Osborne Conjecture and n-homology of Unipotent Arthur Packets |
| Nhat Hoang Le<br>National University of Singapore, Singapore | The Local Twisted Gan-Gross-Prasad Conjecture                         |
| Weixiao Lu<br>Massachusetts Institute of Technology, USA     | Automorphic Periods and Sum of L-values                               |
| Mishty Ray<br>University of British Columbia, Canada         | Geometric Realizations of Local Arthur Packets                        |
| Guy Shtotland<br>Ben-Gurion University of the Negev, Israel  | Relative Kazhdan-Lusztig Isomorphism for the pair $GL_{2n}, Sp_{2n}$  |
| Kenta Suzuki<br>Princeton University, USA                    | Fargues's Categorical Conjecture for Elliptic Parameters for $SL(n)$  |
| Guodong Tang<br>National University of Singapore, Singapore  | Classification of Hyperspherical Data and their Duals                 |
| Zeyu Wang<br>Massachusetts Institute of Technology, USA      | Volume of Shtukas and Derivatives of the Zeta Function                |
| Hao Ying<br>Zhejiang University, China                       | Hausdorffness of Certain Nilpotent Cohomology Spaces                  |