

# CURRICULUM VITAE

ANDRÁS NÉMETHI

## Educational History

| <u>Degrees</u>  | <u>Institution</u>   | <u>Dates Awarded</u> |
|-----------------|--|----------------------|
| BS              | University of Bucharest, Romania                             | June 1983            |
| MS              | University of Bucharest, Romania                             | June 1984            |
| Doctor in Math. | Institute of Math. of Romanian Academy<br>Bucharest, Romania | July 1990            |
| PhD             | The Ohio State University<br>Columbus, Ohio, USA             | August 1991          |
| ScD             | Hungarian Academy of Sciences                                | 2001                 |
| Habilitation    | Eötvös University, Budapest, Hungary                         | 2008                 |

## Professional Experience

| <u>Institution</u>  | <u>Dates</u> |
|---|--------------|
| Nat. Inst. for Sc. and Tech. Research, Bucharest (Researcher) | 1985 – 1990  |
| OSU, Columbus, Ohio (Instructor)                              | 1991 – 1995  |
| OSU, Columbus, Ohio (Assistant Professor)                     | 1995 – 1998  |
| OSU, Columbus, Ohio (Associate Professor)                     | 1998 – 2002  |
| OSU, Columbus, Ohio (Professor)                               | 2002 – 2007  |
| Rényi Institute of Math., Budapest, Hungary                   | 1999 – 2001  |
| Rényi Institute of Math., Budapest, Hungary                   | 2004–        |
| Eötvös University, Budapest, Hungary (Professor)              | 2008–        |

## External Scientific Member

Basque Center for Applied Mathematics, Bilbao, Spain

## Reserach Visiting Positions

|   |                               |
|---|-------------------------------|
| Math. Inst. of the Hungarian Academy of Sciences  | March 1990–May, 1990          |
| Universities of Utrecht and Nijmegen, Netherlands | Sept. 1990–Dec. 1990          |
| University of Toronto, Canada                     | July 01–31, 1991              |
| MSRI, Berkeley                                    | May 01–31, 1993               |
| University of Nice, France                        | July 01–31, 1993              |
| University of Nijmegen, The Netherlands           | Sept. 1993–June, 1994         |
| École Polytechnique, Palaiseau, France            | Oct. 01–Dec. 31, 1996         |
| University of Nice, France                        | June 15–July 15, 1997         |
| University of Nantes, France                      | June 01–30, 1998              |
| University of Bordeaux, France                    | Nov 01–30, 1999               |
| Rényi Institute of Math., Budapest, Hungary       | July 1999- June 2000          |
| University of Hannover, Germany                   | Oct. 01–30, 2005              |
| University of Nice, France                        | May 01–30, 2007               |
| University Méditerranée, Marseille, France        | Sept. 01–30, 2007             |
| University of Yamagata, Yamagata, Japan           | Sept. 01–30, 2010             |
| University of Princeton, Princeton NJ, USA        | 2013 2 <sup>nd</sup> semester |

## Research Areas

Singularity theory, algebraic geometry and (low-dimensional) topology.

## Grants, memberships in research projects

### **International Grants.**

- National Science Foundation Grant (USA) 1992–1994, 1996-1998, 2000-2003, 2003-2007.
- Netherlands Organization for the Advancement of Scientific Research Grant 1993-1994.
- Ohio State University Seed Grant (Columbus, USA) 1995-1996.
- National Security Agency Grant (USA) 2000-2001.
- PI of a Marie Curie Intra European Fellowship 2004-2006.
- Team member, Marie Curie Host Fellowship for Transfer of Knowledge, Rényi Institute, 2004-2008.
- Host Scientist at Rényi Institute of two Marie Curie Intra European Fellowships, A. Kuronya as PI, 2006-2007; and R. Rimányi as PI, 2009-2010.
- Hungarian Science and Technology Foundation Grant, bilateral scientific cooperations supported by Hungarian and a foreign Ministry of Education (TÉT); 3 independent grants with Austria, France and Spain, 2007-2009.
- Team member of the Spanish research grant MTM2010-21740-C02-01 of Ministerio de Ciencia e Investigacion (Singularities in algebra, cryptography, geometry and topology, PI A. Melle Hernández), 2011-2013.
- Co-investigator in two Japanese research grants, Grants-in-Aid for Scientific Research (C), Japan Society for the Promotion of Science; PI: T. Okuma from Yamagata Univ. Japan; Co-investigators: A. Némethi (Rényi) and T. Tomaru (Gunma Univ. Japan): Grant No. 20540060 2008-2011, and Grant No. 23540068 2011-2014.
- PI of the JSPS Invitation Fellowship Program for Research in Japan, ID No. S-10020, Japan Society for the Promotion of Science, September 2010. (Host researcher: T. Okuma, Yamagata University.)
- ‘International partner’ of the Research Grant of University of Leuven OT/11/069 (PI: W. Veys), 2011-2015.

### **Hungarian grants of Hungarian National Science Fundation (OTKA)**

- PI in 2007–2011, 2012–2016 and 2015-2019.
- Since 2003 co-investigator in 4 different research projects in algebraic geometry or differentiable topology.
- Host of the postdoc B. Skublics supported by a grant of the Hung. Acad. of Sciences.

## Member of the Hungarian Academy of Sciences, 2019.

### Prizes

- Rényi Prize of the Rényi Institute of Mathematics, 2007.
- Prize of the Hungarian Academy of Sciences, 2010.
- Széchenyi Prize (for outstanding contribution to academic life in Hungary) 2017.
- Tibor Szele Commemorative Medal of the *János Bolyai Mathematical Society (Budapest)* (for major researchers who created scientific schools) 2021.

**Invitation to ICM 2018**, Rio de Janeiro (Section 4: Algebraic and Complex Geometry, and Section 6: Topology)

### **Member of the Editorial Board**

*Journal, Bulletin and Transaction of the London Math. Soc.*  
*Journal of Singularities* (e-journal),  
*Periodica Math. Hungarica*,  
*Studia Univ. Babeş-Bolyai, Math.*

### **Organizational activities**

- Member of the Organizing Committee of the Summer school on Lie algebras, Iasi, Romania, 1988 (organized by the Institute of the Romanian Academy).
- Member of the Organizing Committee of the summer school on Lie groups, Mangalia, Romania, 1989 (organized by the Institute of the Romanian Academy).
- Member of the Organizing Committee of the Workshop on Topology of hypersurface singularities, Cluj–Napoca, Romania, 1989 (organized by the Institute of the Romanian Academy and University of Cluj–Napoca).
- Organizer of the International Workshop on characteristic classes, Sovata, Romania, 1994 (supported by the Soros Foundation)
- Member of the Organizing Committee of the International Summer school on Algebraic Geometry, Eger, Hungary, 1996 (as a satellite of the European Mathematical Congress).
- Member of the Organizing Committee of the International Summer school on Low-dimensional Geometry, Hungary, 1998.
- The organizer of the ‘Conference on Singularity Theory’, Ohio State University, 1998.
- Co-organizer of the AMS Special Session ‘Algebraic Geometry and Singularity Theory’, University of Notre Dame, 2000.
- Member of the Organizing Committee of the AMS meeting 2001 September, organized by the Ohio State University, Dept. of Mathematics.
- Member of the Organizing Committee of the international program ‘Higher dimensional varieties and rational points’ at Budapest, Hungary, 2001.
- Organizer of the ‘Spanish-Hungarian’ Workshop on Singularities, Budapest, Hungary, 2005 Summer.
- Organizer of the Summer School ‘Characteristic classes of singular varieties’, Budapest, Hungary, 2006 Summer.
- Organizer of the Conference ‘Deformation of surfaces’, Budapest, Hungary, 2008 October.
- Co-organizer (with D. van Straten and V. Vasiliev) of the ‘Singularities’ Conference at Oberwolfach Math. Inst., Germany; Sept. 2009.
- Organizer of the ‘Workshop on Quivers’, Rényi Institute, Budapest, Hungary, 2009.

- Organizer of the one-day meeting ‘New directions in Geometry’, Budapest, Math. Section of the Hungarian Academy of Sciences, 2010 May.
- Coorganizer of the ‘Non–Euclidean Geometry and its applications — 7-th Bolyai-Gauss-Lobachevsky Conference’ Cluj–Napoca, Romania, July 2010.
- Member of the Scientific Committee of the ‘5th World Conference on 21st Century Mathematics 2011’, February 9-13, 2011, Lahore, Pakistan.
- Coorganizer (with J. Bryan, D. Maulik, J. Schürmann, B. Szendrői and Á. Szilárd) of ‘Motivic Donaldson-Thomas theory and singularity theory’ May 7 to May 11, 2012, Rényi Inst., Budapest; sponsored by American Inst. of Math. and National Sc. Foundation (USA).
- Co-organizer (with D. van Straten and V. Vasiliev) of the ‘Singularities’ Conference at Oberwolfach Math. Inst., Germany; Sept. 2012.
- Scientific Committee member of the Conf. ‘Experimental and Theoretical methods in Algebra, Geometry and Topology’ (in honor of A. Dimca and S. Papadima), Eforie Nord, Romania, June 21-24, 2013.
- Scientific Committee member of the Summer School 2014 of the IRTG ‘Moduli and Automorphic Forms’, August 2014, Rényi Institute of Mathematics, Budapest, Hungary.
- Scientific Committee member of the Conf. ‘Géométrie des espaces et morphismes singuliers’, CIRM Marseilles, France, February 2th – March 6th, 2015.
- Scientific Committee member of the ‘14th Workshop on Real and Complex Singularities’, ICMC–USP Sao Carlos, Brasil, 2016 July.
- Co-organizer (with D. van Straten and F. Loeser) the ‘Singularities’ Conference at Oberwolfach Math. Inst., Germany; Sept. 2016.
- Co-organizer (with G. Farkas, R. Pandharipande, A. Stipsicz) of ‘Moduli in Budapest’ Conference, Alfréd Rényi Institute of Mathematics, April 2019.
- Co-organizer (with D. van Straten, F. Loeser and J. de Bobadilla) the ‘Singularities’ Conference at Oberwolfach Math. Inst., Germany; Sept. 2021.
- Scientific Committee member, Research School, Sept. 2021, CIRM (Marseille) Luminy, France.

### **Advisor of PhD students**

|               |   |
|---------------|---|
| Á. Szilárd    | graduated at Ohio State University, USA, 1999,                  |
| R. Mendris    | graduated at Ohio State University, USA, 2003,                  |
| I. Sigray     | graduated at Eötvös University (ELTE), Budapest, 2008,          |
| T. László     | graduated at Central European University (CEU), Budapest, 2013, |
| B. Sigurdsson | graduated at Central European University (CEU), Budapest, 2015, |
| J. Bodnár     | graduated at Eötvös University (ELTE), Budapest, 2016,          |
| Á. Gyenge     | graduated at Eötvös University (ELTE), Budapest, 2016,          |
| G. Pintér     | graduated at Eötvös University (ELTE), Budapest, 2018,          |
| J. Nagy       | graduated at Central European University (CEU), Budapest, 2020. |

*In present:* T. Ágoston, N. Hasan, L. Koltai, A. Kubasch, G. Scheffler (ELTE), A. Sándor (CEU).

### Advisor of MS students

|                   |  |
|-------------------|--|
| M. Juhász         | Eötvös University (ELTE), Budapest, 2009,    |
| G. Pintér         | Eötvös University (ELTE), Budapest, 2010,    |
| B. Sigurdsson     | Central European University, Budapest, 2010, |
| J. Nagy           | Eötvös University (ELTE), Budapest, 2015,    |
| Z. Sári           | Eötvös University (ELTE), Budapest, 2015,    |
| Á. Kaposi         | Eötvös University (ELTE), Budapest, 2017,    |
| M. Kiss           | Eötvös University (ELTE), Budapest, 2017,    |
| T. Ágoston        | Eötvös University (ELTE), Budapest, 2017,    |
| A. Ramanantoanina | Central European University, Budapest, 2019, |
| J. M. Menjanahary | Central European University, Budapest, 2020, |
| G. Scheffler      | Eötvös University (ELTE), Budapest, 2021,    |
| A. Kubasch        | Eötvös University (ELTE), Budapest, 2021.    |

### Advisor of BS students

|               |   |
|---------------|---|
| Z. Sári       | Eötvös University (ELTE), Budapest, 2013, |
| M. Kiss       | Eötvös University (ELTE), Budapest, 2015, |
| Á. Kaposi     | Eötvös University (ELTE), Budapest, 2015, |
| Zs. Fehér     | Eötvös University (ELTE), Budapest, 2018, |
| A. Kubasch    | Eötvös University (ELTE), Budapest, 2019, |
| G. Scheffler  | Eötvös University (ELTE), Budapest, 2019, |
| Á. Schweitzer | Eötvös University (ELTE), Budapest, 2021. |

### Invited speaker at the following conferences

- [1] Summer school on Lie algebras, Iași, Romania, 1988.
- [2] Conference on Algebraic Geometry, Bucharest, Romania, 1988.
- [3] Summer school on Lie groups, Mangalia, Romania, 1989.
- [4] Workshop on Topology of hypersurface singularities, Cluj–Napoca, Romania, 1989 (series of lectures).
- [5] Workshop on Singularities, Nijmegen, The Netherlands, November, 1990.
- [6] JAMI Algebraic and Complex Geometry Conference, The John Hopkins University, Baltimore, USA, April, 1991.
- [7] Conference on Singularity Theory, Oberwolfach, Germany, June, 1992.
- [8] Conference on Singularity Theory, S. Banach Center, Warsaw, Poland, September, 1993.
- [9] National Conference of Mathematics, Leiden, The Netherlands, April, 1994.
- [10] Conference on Singularity Theory, Konstanz, Germany, July, 1994.
- [11] Summer Research Institute in Algebraic Geometry, organized by AMS at the University of California, Santa Cruz, July 9–29, 1995.
- [12] Workshop on Singularities, Oberwolfach, Germany, July, 1996.
- [13] Plenary lecture at the C.T.C. Wall’s 60th birthday meeting on Real and Complex Singularities, Liverpool, England, August 1996.
- [14] Five plenary lectures during the EMS–Summer School, Eger (Hungary), July–August 1996.

- [15] Workshop on Singularities, Angers, France, December 1996 (two lectures).
- [16] Conference on Geometry and Complexity (during the Singularity Theory and Geometry program, Toronto, January-June 1997), Fields Institute, Toronto, May 1997.
- [17] Conference on “The fundamental group in geometry”, Oberwolfach, Germany, May 1998.
- [18] Five plenary lectures during the Summer School “*Low Dimensional Topology*”, August 2–15, 1998, Budapest, Hungary.
- [19] AMS Special Session on Singularities in Algebraic Geometry and Analytic Geometry, San Antonio, Texas, January 1999.
- [20] Conference on “Polynomial maps and Toric geometry”, Muenster, Germany, 2000 February.
- [21] Invited address at the AMS central section meeting, University of Notre Dame, 2000 April.
- [22] Conference in “Affine Algebraic Geometry”, Oberwolfach, Germany, May 2000.
- [23] Algebraic Geometry Conference (In Memory of Ruth Michler), Annapolis, October 2001.
- [24] Conference “Casson invariant: 17 years on”, UQAM Montréal, Canada, April 2002.
- [25] Plenary talk at the “7th International Workshop on Real and Complex Singularities”, ICMC-USP, São Carlos-SP, Brazil, August 2002.
- [26] Conference on “Fundamental Groups in Geometry”, Oberwolfach, Germany, September 2002.
- [27] AMS Special Session on Arrangements in Topology and Algebraic Geometry, Baton Rouge, Louisiana, March 2003.
- [28] AMS Special Session on Topological Aspects of Complex Singularities, New York, April 2003.
- [29] Workshop on Singularity Theory, ICMS, Edinburgh, May 2003.
- [30] Conference in “Low Dimensional Topology”, Rényi Institute, Budapest, Hungary, June 2003.
- [31] Singularity Conference, Oberwolfach, Germany, September 2003.
- [32] Workshop on Floer homology of 3-manifolds, Banff, Canada, November 2003.
- [33] Geometry/Topology of manifolds, McMaster University, Hamilton, Canada, May 2004.
- [34] CMI Summer School on Floer Homology, Gauge Theory and Low Dimensional Topology, Budapest June 2004.
- [35] Sao Carlos Workshop on Singularities (at CIRM Luminy), 2004, France.
- [36] Conference in Singularities, CIRM, Luminy, France, 2005 February.
- [37] Singularity Conference, University of Leuven, 2005.
- [38] Singularity conference and Summer School “Advances School and Workshop on Singularities in Geometry and Topology”, Trieste, Italy, 2005 Summer.
- [39] (“Spanish-Hungarian”) Workshop on Singularities, Budapest, Hungary, 2005 Summer.
- [40] Singularity Conference (B. Teissier is 60), Luminy, France, 2005.
- [41] Conference on “Knots, contact structures and foliations”, Budapest, Hungary, November 2005.
- [42] Workshop on “The Topology of Hyperkahler Manifolds”, Budapest, Hungary, Nov. 2005.
- [43] “Singularity Day at Luminy”, France, 2006 May.
- [44] Four plenary lecture at CIMPA School “New trends in singularity theory”, Madrid, 2006 August.
- [45] Singularity Conference, Oberwolfach, Germany, September 2006.

- [46] Five plenary advanced lecture courses at School on “The Geometry and Topology of Singularities”, Cuernavaca, Mexico, January 2007.
- [47] Workshop on “The Geometry and Topology of Singularities” (Lê Dũng Tráng is 60), Cuernavaca, Mexico, January 2007.
- [48] Journée de Géométrie Algébrique Nice-Gênes 2007, Nice, May 2007.
- [49] Geometry Days (J. Steenbrink is 60), Nijmegen, The Netherlands, May 2007.
- [50] Singularity Days, Nijmegen, The Netherlands, June 2007,
- [51] Singularity Conference, CTC Wall is 70, Liverpool, England, July 2007.
- [52] Five plenary advanced lecture courses at the School and Conference “Geometry and Topology of Singularities”, Angers, France, September 2007.
- [53] Conference on Affine Geometry, Number Theory and Singularities (in honor of Pierrette Cassou-Noguès), Castro Urdiales, Spain, June 2008.
- [54] Three plenary advanced lecture courses at the Conference “Geometry of Singularities and Manifolds”, Kusatsu, Japan, September 2008.
- [55] Special plenary talk at the meeting of the Japan Mathematical Society, Tokyo, Japan, September 2008.
- [56] Conference on “Différents points de vue sur les cycles évanescents”, Nice, France, November 2008.
- [57] Topology of Algebraic Varieties, A Conference in Honor of the 60th Birthday of A. Libgober, Jaca, Spain, June 2009.
- [58] Noncommutative Geometric Methods in Global Analysis, Conference in honor of Henri Moscovici, Hausdorff Center for Mathematics, University Bonn, Germany, July 2009.
- [59] Singularities, Oberwolfach, Germany, September 2009.
- [60] ‘Geometry at Large’, Conference at Vienna, Austria, April 2010.
- [61] ‘Second International Workshop on Zeta Functions in Algebra and Geometry’, Palma de Mallorca, Spain, May 2010.
- [62] ‘Új irányzatok a geometriában’, meeting of the Hungarian Academy of Sciences, May 2010.
- [63] Two plenary talks at the ‘Geometry Conference’, Yamagata University, Japan, September 2010.
- [64] ‘Conference on Singularities, Geometry and Topology’ (S. Gusein-Zade’s 60th birthday meeting), El Escorial, Madrid, Spain, October 2010.
- [65] Geometry Workshop in Honour of V. Brînzănescu, Bucharest, Romania, November 2010.
- [66] Three lectures on Autumn School: ”Topology of Singularities”, Mainz, Germany, 2011 September.
- [67] Informal talk, at the meeting ‘Algebraic versus Analytic Geometry’, Vienna, 2011 November.
- [68] ‘Singularities and differential equations in algebraic geometry’, Luminy, France, June 2012.
- [69] ‘Singularity Theory, its Applications and Future Prospects’, (Bill Bruce 60 and Terry Wall 75), Liverpool, June 2012.
- [70] Singularities, Oberwolfach, Germany, September 2012.
- [71] Geometry and topology of smooth 4-manifolds, Max Planck Institute for Mathematics, Bonn, June 2013.
- [72] Géométrie et topologie des singularités complexes, CIRM Luminy, France, June 2013.

- [73] Experimental and Theoretical Methods in Algebra, Geometry and Topology, Eforie Nord, Romania, June 2013.
- [74] Singularities in Generic Geometry and Applications, Edinburgh, September 2013.
- [75] Algebra and Geometry and Topology of Singularities (On the occasion of the 60th birthday of I.Luengo), Miraflores (Madrid), September 2013.
- [76] Sixth Iberoamerican Congress on Geometry 2014, New York, May 2014.
- [77] ‘Géométrie des espaces et morphismes singuliers’, CIRM Luminy, France, March 2015.
- [78] ‘Singularities and Computer Algebra’, G.-M. Greuel’s 70th Birthday Conference, Lambrecht, Germany, June 2015.
- [79] ‘International Conference on Singularity Theory — in honor of Henry Laufer’s 70th Birthday’, Sanya, China, Dec. 2015.
- [80] Panorama on Singular Varieties, Conference to Celebrate Lê Dũng Tráng 70th birthday, Sevilla, Spain, February 2017.
- [81] ‘Interactions between Low-dimensional Topology and Complex Algebraic Geometry’, three talks, Oberwolfach Math. Institute, Germany, October 2017.
- [82] A Magyar Tudomány Ünnepe, Cluj-Napoca, Romania, November 2017.
- [83] Topology and Geometry: A conference in memory of Ștefan Papadima (1953-2018), Bucharest, Romania, May 2018.
- [84] 15th International Workshop on Real and Complex Singularities, Sao Carlos, Brasil, July 2018.
- [85] ICM 2018, Rio de Janeiro, Brasil, (invited lecture for the sections ‘Algebraic and Complex geometry’ and ‘Topology’).
- [86] Moduli in Budapest, Budapest, April 2019.
- [87] IMAR70, Bucharest, Romania, October 2019.
- [88] Two lectures at ‘Brill–Noether theory: geometric, tropical and singularity theory aspects’, Berlin, Germany, November 2019.
- [89] Low-Dimensional Topology, University of Oxford, January 2020.
- [90] Research School: Milnor Fibrations, Degenerations and Deformations from Modern Perspectives, series of 4 talks, Luminy, France, September 2021.
- [91] Tibăr60 Conference, online, September 2021.
- [92] A Magyar Tudomány Ünnepe, Cluj-Napoca, Romania, November 2021.

### **Other invited talks**

- [1] University of Gdansk, Poland, August, 1989.
- [2] Algebra seminar, Math. Inst. of the Hungarian Academy of Sciences, Budapest, Hungary, March, 1990.
- [3] Singularity seminar, University of Utrecht, The Netherlands, November, 1990.
- [4] Singularity seminar, University of Toronto, Canada, July, 1991 (a series of lectures).
- [5] Singularity seminar, University of Toronto, Canada, November, 1991.
- [6] Singularity seminar, University of Toronto, Canada, March, 1993.
- [7] MSRI Berkeley, USA, May, 1993 (two lectures).
- [8] Algebraic geometry seminar, University of Utah, Salt Lake City, USA, June, 1993.
- [9] Algebraic geometry seminar, University of Nice, France, July, 1993.
- [10] Geometry seminar, Eötvös Loránd University, Budapest, Hungary, September, 1993.



- [11] Complex analysis seminar, University of Angers, France, March, 1994 (two lectures).
- [12] Algebraic geometry seminar, University of Warwick, Great Britain, June, 1994.
- [13] Colloquium Talk, Math. Institute, Bonn, Germany, June, 1994.
- [14] Algebraic geometry seminar, University of Utah, Salt Lake City, USA, December, 1994.
- [15] Colloquium Talk, University of Toronto, Canada, February, 1995.
- [16] Algebraic geometry seminar, Northeastern University, Boston, USA, April 1996.
- [17] Topology Seminar, Eötvös Loránd University, Budapest, Hungary, September 1996.
- [18] Colloquium Talk, Math. Inst. of the Hungarian Academy of Sciences, Budapest, Hungary, September 1996.
- [19] Colloquium Talk, Purdue University, West Lafayette, USA, March 1997.
- [20] Algebraic Geometry Seminar, University of Marseille, France, June 1997.
- [21] Singularity Seminar, University of Nice, France, June-July 1997 (four lectures for graduate students).
- [22] Algebraic Geometry and Algebraic Topology Seminar, University of Nantes, France, June 1998.
- [23] Algebraic Geometry Seminar, University of Chicago, USA, May 1999.
- [24] Geometry Seminar, University of Bordeaux, France, November 1999.
- [25] Singularity Seminar, University of Bordeaux, France, November 1999, (three talks).
- [26] National Geometry Seminar, Institute of Hungarian Academy of Science, Budapest, February 2000.
- [27] Algebraic Geometry Seminar, Institute of Hungarian Academy of Science, Budapest, Sept. 1999- March 2000 (at least ten talks).
- [28] Colloquium Talk, Institute of Hungarian Academy of Science, Budapest, March 2000.
- [29] Topology Seminar, Princeton University, Princeton, April, 2001.
- [30] Colloquium Talk, University of Notre Dame, November 2002.
- [31] Colloquium Talk, University of Illinois at Chicago, April 2003.
- [32] Geometry-Topology Seminar, University of Wisconsin, Madison, October 2003.
- [33] Colloquium Talk, University of North Carolina, Chapel Hill, January, 2004.
- [34] University of Michigan/Ohio State University Weekend Algebraic Geometry Seminar, March , 2004.
- [35] Seminar of Singularity Theory of Jussieu Institute (Paris 7), Paris, November 2004.
- [36] Seminar of Algebraic geometry of University of Utrecht, Utrecht December 2004.
- [37] Three invited talks at the Algebraic Geometry Seminar of University of Hannover, 2005 October.
- [38] “Kerékjartó Béla” Geometry Seminar, University of Szeged, November 2005.
- [39] Geometry Seminar, Babeş-Bolyai University, Cluj-Napoca, November 2006.
- [40] Singularity Seminar, University of Nice, May 2007.
- [41] Topology Seminar, Université de Provence, Marseille, France, September 2007.
- [42] Singularity Seminar, two extended lectures, Université de la Méditerranée, Luminy (Marseille), France, September 2007.
- [43] Talk at University of Kyoto, Japan, September, 2008.
- [44] Singularity Seminar (Oka’s seminar), University of Tokyo, Japan, September 2008.
- [45] A short talk at the meeting “About the Spidron in the language of Science and Art”, Rényi institute, Budapest, November 2008.
- [46] Geometry Seminar, Madrid, Spain, December 2009.

- [47] Singularity Seminar (Oka's seminar), University of Tokyo, Japan, September 2010.
- [48] Topology Seminar, University of Edinburgh, March 2012.
- [49] Topology Seminar, University of Glasgow, March 2012.
- [50] Algebraic Geometry Seminar, Freie Universität Berlin, January 2014.
- [51] Algebraic Geometry Seminar, University of Princeton, February 2014.
- [52] Topology Seminar, University of Princeton, February 2014.
- [53] Colloquium Talk, University of Miami, April 2014.
- [54] Topology seminar, University of Princeton, April 2014.
- [55] Topology seminar, Ohio State University, Columbus, June 2014.
- [56] Geometry seminar, EPFL Lausanne, December 2014.
- [57] Colloquium Talk, Rényi Institute of Math., Budapest, February 2015.
- [58] Colloquium Talk, University ELTE, Budapest, February 2015.
- [59] Algebraic Geometry Seminar, Humbolt University, Berlin, Germany, June 2017.
- [60] Analysis Seminar, University ELTE, Budapest, November 2017.
- [61] Singularity Seminar, BCAM, Bilbao, Spain, December 2017.
- [62] Colloquium Talk, University of Bern, Switzerland, March 2018.
- [63] Algebraic Geometry Seminar, University of Leuven, September 2018.
- [64] Seminar of the Bolyai Math. Institute, Szeged, October 2018.
- [65] Math. Institute Seminar, Debrecen, November 2018.
- [66] Geometry Seminar, ELTE Budapest, November 2018.
- [67] Geometry Seminar, Cluj, Romania, January 2019.
- [68] KAB Talk, Cluj, Romania, January 2019.
- [69] Algebraic Geometry Seminar, Banach Center, Warsaw, March 2019.
- [70] Singularity Seminar, Université de la Méditerranée, Marseille, France, January 2021.
- [71] Geometry & Topology seminar, Glasgow, May 2021.