

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 Bucharest, Romania	July 1990
PhD	The Ohio State University 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 nd 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.
- Spanish Grant MTM2016-76868-C2-2-P (December 30, 2016 – June 29, 2020), Geometría, topología, álgebra y criptografía en singularidades y sus aplicaciones.
- Spanish Grant PID2020-114750GB-C31 (Sept. 1, 2021 – August 31, 2024), Singularidades en topología, geometría, criptografía, física y sus aplicaciones.

Hungarian grants of Hungarian National Science Foundation (OTKA)

- PI in 2007–2011, 2012–2016 and 2015–2019.
- Since 2003 co-investigator in 7 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.

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

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* (for major researchers who created scientific schools) 2021.

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. Schefler (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. Sárai	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. Schefler	Eötvös University (ELTE), Budapest, 2021,
A. Kubasch	Eötvös University (ELTE), Budapest, 2021.

Advisor of BS students

Z. Sárai	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. Schefler	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, Lambrrecht, 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, Kolozsvár, Románia, 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, 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, Sept 2021.
- [91] Tibar60 Conference, online, Sept 2021.
- [92] Magyar Tudomány Ünnepe, Kolozsvár, Románia, November 2021.

[93] Hodge Theory and Related Topics, two talks, Institute of the Mathematical Sciences of the Americas, University of Miami, USA, March 2022.

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.

Publications of A. Némethi

Books

- [1] Milnor fiber boundary of a non-isolated surface singularity, (joint book with Á. Szilárd), *Lecture Notes in Math.* **2037**, Springer 2012.
- [2] Normal surface singularities, *Ergebnisse der Mathematik und ihrer Grenzgebiete*, 3. Folge / A Series of Modern Surveys in Mathematics, Springer, 2022 (to be printed in the summer of 2022)

Book chapter

- [1] Surface singularities, Seiberg–Witten invariants of their links and lattice cohomology, 108 pages, to be published in 2022 in the *Handbook of Geometry and Topology of Singularities III*, Springer, Edited by Jose Luis Cisneros Molina , Dung Trang Le , Jose Seade

Edited books/volumes

- [1] Proceedings of the Deformation Theory Conference, Budapest, 2008; (coeditor Á. Szilárd), Bolyai Society Mathematical Studies **23**, Springer-Verlag, 2013.
- [2] Singularities. Abstracts from the workshop held 20-26 September 2009; Organized by A. Némethi, D. van Straten and V.A. Vassiliev; Oberwolfach Reports 6 (2009), no. 3, 2405-2469.
- [3] Singularities. Abstracts from the workshop held 23-29 September 2012; Organized by A. Némethi, D. van Straten and V.A. Vassiliev; Oberwolfach Reports 9 (2012), no. 3, 2799-2866.
- [4] Singularities. Abstracts from the workshop held 25 September - 1 October 2016; Organized by F. Loeser, A. Némethi, and D. van Straten; Oberwolfach Reports 13 (2016), no. 3, 2625-2691.
- [5] Proceedings of the 15th International Workshop on Real and Complex Singularities, 22–28 July 2018, ICMC–USP San Carlos (coeditors G. Feliciani Barbosa, J. L. Cisneros Molina, N. De Góes Grulha Júnior); *Journal of Singularities* **22** (2020).

Articles in journals and proceedings

- [1] Asupra geometriilor euclidiană si neeuclidiene plane, *St. Cerc. Mat.*, **Tom. 35, Nr.1**, 1983.
- [2] The link of the sum of the holomorphic functions, *Proc. of the National Conference*, Tîrgoviște, Romania, 1986.

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