CURRICULUM VITAE

Personal information

Name: Tamás SZAMUELY
Date of Birth: 15.08.1971
Place of Birth: Budapest (Hungary)
Permanent address:
  Alfréd Rényi Institute of Mathematics,
  Hungarian Academy of Sciences,
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Positions held

1998– Research Fellow at Alfréd Rényi Institute of Mathematics

  2012–   Research Advisor (corresponding to full professor), also
               Adjunct Professor at Central European University
  2004–2012 Senior Research Fellow;
  2001–2004 Research Fellow with tenure, also serving as Scientific
               Secretary of the Institute

1997–1998 Temporary Lecturer (ATER) at Université de Paris-Sud (France)

Studies and qualifications

2012 Doctor of the Hungarian Academy of Sciences

1994–1998 Graduate studies at Université de Paris-Sud (Orsay, France)

  1998: **PhD** in Pure Mathematics (advisor: J.-L. Colliot-Thélène)
  1995: **DEA (MSc)** in Pure Mathematics (with L. Illusie, M. Raynaud, J.-L. Colliot-Thélène)

1989–1994 Studies at Loránd Eötvös University, Faculty of Science (Budapest, Hungary)

  1994: **Diploma (MSc) in Mathematics** with Special Mention

Language skills

Hungarian (native), English (fluent), French (fluent), German (fluent), Italian (improving)

Long-term Visits (1 month or more)

2010 Visiting Professor at University of Pennsylvania (Philadelphia) (1 semester)

2009 Invited participant at the Noncommutative Fundamental Groups Semester, Isaac Newton Institute (Cambridge, UK) (1 month)

2008 Visiting Researcher, École Normale Supérieure, Paris (1 month)
      Visiting Researcher, Universität Hannover (1 month)

2007 Invited researcher, Centre Emile Borel, Institut Henri Poincaré, Paris (1 month)
      Visiting Researcher at Università di Roma II, Italy (1 month)

2005 Visiting Researcher, Université de Paris-Sud (Orsay, France) (2 months)

2002 Invited Lecturer, Université de Paris-Sud (Orsay, France) (2 months)
      Visiting Researcher at Universität Essen, Germany (1 month)

2001 Postdoctoral fellow at Université de Franche-Comté (Besançon, France) (1 month)

2000 Visiting Researcher at University of Nottingham (UK) (1 month)

1998 Invited participant at the Arithmetic Geometry Semester, Isaac Newton Institute (Cambridge, UK) (2 months)

Invited Lectures

2016 Motives workshop, University of Tokyo, Japan (15–19/02/2016)
   Arithmetic of fundamental groups, Institut Henri Poincaré, Paris (25/05–03/06/2016)
   Arithmetic algebraic geometry, Courant Institute, New York University (29/08–02/09/2016)
   Rational points and algebraic geometry, CIRM, Luminy, France (26–30/09/2016)
   Arithmetic Geometry Seminar, Oxford University
   Number Theory Seminar, University of Debrecen
   Algebraic Geometry Seminar, University of Michigan, Ann Arbor
   Mathematics Seminar, Wayne State University, Detroit
   Algebra Seminar, Brown university, Providence

2015 AMS Summer Research Institute in Algebraic Geometry, Salt Lake City, USA (13–31/07/2015)
   The IUT Theory of Shinichi Mochizuki, Clay Mathematical Institute, Oxford, UK (7–11/12/2015)
   Rencontres Arithmétiques de Caen (France, 24-26/06/2015)
   SAGA, Université de Paris-XI, Orsay, France (23/06/2015)

2014 Summer School on the Fundamental Group Scheme, Nice, France (05-07/05/2014) (2 lectures)
   Algebraic Geometry Seminar, Humboldt-Universität Berlin
   Algebraic Geometry Seminar, Universit Paul Sabatier, Toulouse
   Geometry Seminar, EPFL Lausanne

2013 Number theory workshop, Constanţa, Romania (22–23/05/2013)

Special day of 'Variétés rationnelles' seminar, Université Pierre et Marie Curie, Paris

Algebraic geometry seminar, Mathematical Institute of the Romanian Academy of Sciences, Bucharest

Algebraic Geometry seminar, Universität Zürich

2012 Final workshop of the 'Algebraic Cycles and L-Functions' project, Universität Regensburg (27/02–02/03/2012)

Rational and integral points, with special reference to homogeneous spaces, Beijing Conference Centre, (24–30/09/2012)

Algebraic geometry seminar, LMU München

Mathematics Colloquium, Universität Regensburg

Mathematics Colloquium, EPFL Lausanne

'Variétés Rationnelles' seminar, Ecole Normale Supérieure, Paris

Seminar, University of Poznan

2011 Arithmetic and Motivic Geometry, Universität Regensburg (14/02–18/02/2011)

Spring School on Higher-dimensional Class Field Theory (4 lectures), Universität Mainz (14/03–18/03/2011)

Colloque Galois (200th anniversary conference), Institut Henri Poincaré, Paris (24/10–28/10/2011)

Motives workshop, University of Tokyo (12/12–16/12/2011)

Lecture series at Capital Normal University, Beijing (5 lectures + colloquium)

Colloquium at University of Tokyo

2010 Geometric and Differential Galois Theory, CIRM, Luminy (29/03–02/04/2010)

Mini-Workshop on 1-Motives, Oberwolfach (12–16/12/2010)

Lecture series at Universität Heidelberg (4 lectures) on the occasion of the PIA 2010 conference

Seminar at Ecole Normale Supérieure, Paris

7 seminar lectures at University of Pennsylvania, Philadelphia

Algebraic Geometry Seminar, Princeton University

Number theory seminar, University of California at San Diego

Mathematics Colloquium, University of California at San Diego

2009 Arithmetic of Fields, Oberwolfach (01–06/02/2009)

Séminaire Bourbaki, Paris (14–15/03/2009)

Non-Abelian Fundamental Groups in Arithmetic Geometry: Introductory Workshop, Newton Institute, Cambridge, UK (27–31/07/2009)

2008

Oberseminar Algebraische Geometrie, Universität Bielefeld

Oberseminar Algebraische Geometrie, Universität Essen

Algebra seminar, Universität Basel

Algebraic Geometry seminar, Universität Zürich

Algebraic Geometry Seminar, Scuola Normale Superiore, Pisa

2007 Central Simple Algebras over Function Fields of Surfaces, Universität Konstanz, Germany (26/08 - 01/09/2007)

Number Theory Seminar, Università di Roma II

Colloquium lecture, Mathematical Institute of the Romanian Academy of Sciences, Bucharest

2006 Arithmetic of Fields, Oberwolfach (05–10/02/2006)

Arithmetic Galois Groups and Related Moduli Spaces, RIMS, Kyoto (23–31/10/2006)

Seminario Unomotivico, Università di Padova

2005 Conference in Honour of Luc Illusie (Orsay, 27–29/06/2005)

Oberseminar Algebraische Geometrie, Universität Essen

Number theory seminar, EPFL Lausanne

Mathematisches Kolloquium, Universität Regensburg

Arithmetic Geometry Seminar, Universität Regensburg

2003 Séminaire Bourbaki (Paris, 21–22/06/2003)

Arithmetic Fundamental Groups (BIRS, Banff, Canada, 06–13/09/2003)

Number Theory seminar, Institut Fourier (Grenoble, France)

Rational Varieties seminar, Ecole Normale Suprieure, Paris

Arithmetic Fundamental Groups (BIRS, Banff, Canada, 06–13/09/2003)

2002 Oberseminar Algebraische Geometrie, Universität Essen

2001 SAGA, Université de Paris-Sud (Orsay, France)

Number Theory Seminar, Université de Bordeaux I

Number Theory Seminar, Université de Franche-Comté (Besançon)

2000 Motivic Cohomology (CIRM, Luminy, France, 24–28/01/2000)

University of Cambridge (UK) number theory seminar

University of Durham, Pure Mathematics Colloquium

University of Nottingham, Pure Mathematics Colloquium

1999 AMS Von Neumann Symposium on Arithmetic Fundamental Groups and Noncommutative Algebra, MSRI, Berkeley (16–27/08/1999)

Algebraic K-Theory (Oberwolfach, Germany, 27/09/1999–01/10/1999)

1998 Fundamental groups of curves, CIRM, Luminy, France,

University of Cambridge (UK) number theory seminar (29/11/1998–04/12-1998)

1996 Higher Class Field Theory of Arithmetic Schemes (CIRM, Luminy)

Organisation of International Conferences

2015 Journées Arithmétiques 2015, University of Debrecen (member of scientific committee)

2014 Recent Developments in Algebraic and Arithmetic Geometry, Rényi Institute, Budapest (member of organizing committee)

2013 Motivic Galois Groups, Rényi Institute, Budapest, 02–06/09/2013 (with S. Müller-Stach)

Fundamental Groups in Arithmetic and Algebraic Geometry, Ennio de Giorgi Center, Pisa, 12–16/12/2013 (with N. Borne, A. Vistoli)

2007 *p*-adic Methods and Rational Points, Rényi Institute, Budapest, 18–21/05/2007 (with H. Esnault, S. Wewers)
Géométrie arithmétique et variétés rationnelles, CIRM, Luminy, 3–7/12/2007 (with D. Harari)
2001 Higher Dimensional Varieties and Rational Points, Rényi Institute, Budapest, 03–21/09/2001 (with K. Böröczky Jr.)

Awards and Honours

2009 Paul Turán Prize of the Hungarian Academy of Sciences
2002 Young Researcher's Prize of the Hungarian Academy of Sciences
2001/2004 Bolyai Scholarship of the Hungarian Academy of Sciences
1994 Prize of Excellence of the Faculty of Science, Eötvös University
1993/1994 Scholarship of the Hungarian Republic

PhD Students Supervised

Peter Jossen (Central European University, Budapest, 2009)
Levente Nagy (Central European University, Budapest, started in 2011)

Service to the community

– Referee for international journals (including Annals of Mathematics, Inventiones Mathematicae, Journal of the American Mathematical Society, Duke Mathematical Journal, Mathematische Annalen, Compositio Mathematica, etc.) and conference volumes
– Reviewer of project proposals for various science foundations
– Reviewer for Mathematical Reviews (1998–2010)

Teaching Experience

2015/2016 Central European University (Budapest): Algebraic Geometry I-II (part I joint with Budapest Semesters in Mathematics)
2014/2015 Central European University (Budapest): Brauer Groups, Topics in Commutative Algebra
2013/2014 Central European University (Budapest): Galois Groups and Fundamental Groups, Basic Algebraic Geometry
2012/2013 Central European University (Budapest): Linear Algebraic Groups, Topics in Commutative Algebra
2011/2012 Central European University (Budapest): Language of Schemes, Arithmetic of Elliptic Curves
2010/2011 University of Pennsylvania (Philadelphia): Math 512 (Advanced Linear Algebra)
Central European University (Budapest): Algebraic Number Theory, Basic Algebraic Geometry
2009/2010 Eötvös University (Budapest): Basic Algebraic Geometry
Central European University (Budapest): Commutative Algebra

2008/2009 Eötvös University (Budapest): Brauer Groups

Central European University (Budapest): Algebraic Geometry (2 semesters)

2007/2008 1-semester course at Eötvös University (Budapest): Elliptic Curves

2006/2007 Intensive course at SNSB Bucharest: p-adic Numbers and Equations over Finite Fields

Eötvös University (Budapest): Galois Theories in Mathematics

2005/2006 Technical University and Eötvös University, Budapest: Algebraic Groups

2004/2005 Technical University and Eötvös University, Budapest: p-adic Numbers and Equations over Finite Fields

Budapest Semesters in Mathematics: Basic Algebraic Geometry

2003/2004 Technical University and Eötvös University, Budapest: Introduction to Algebraic Geometry

Budapest Semesters in Mathematics: Basic Algebraic Geometry

2002/2003 Technical University, Budapest: Elliptic Curves

Budapest Semesters in Mathematics: Basic Algebraic Geometry

1999/2000 Eötvös University (Budapest): Galois Theories in Mathematics (2 semesters)

1998/99 Eötvös University (Budapest): Arithmetic of Elliptic Curves

1997/98 Undergraduate teaching at Université de Paris-Sud (France)

1991–94 Undergraduate teaching at Loránd Eötvös University (Budapest)