

Curriculum Vitae

Christer Oscar Kiselman

Personal

Born in Stockholm, Sweden, 1939 April 08

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Parents

Father: Samuel Oscar “Sam” Svensson
(1896 December 02 – 1966 January 23).

Mother: Elsa Svensson (1904 July 19 – 1990 April 16).

Her first family name was Andersson; from 1906 until she married in 1937, she had the family name Aspelin.

Godfather: Harald “Hali” Hult (1899 September 28 – 1981 June 19).

Some family members as of today

Sons: Dan Samuel Kiselman, b. 1963 October 09. (Planet Kiselman, with number 12673, is named for him);

Ola Jakob Kiselman, b. 1967 May 23.

Daughter: Vanda Karolina Kiselman Arlinger, b. 1969 December 17.

Godddaughter (filleule): Déborah Diane Gruman, b. 1982 March 24.

Granddaughter: Klara Edit Maria Kiselman, b. 1997 January 01.

Grandsons: Joakim Karl Emil Kiselman, b. 2000 March 01;

Edvin Sven Oskar Kiselman, b. 2003 August 17;

Svante Alvid Samuel Kiselman, b. 2003 August 17;

Henning Daniel Arlinger, b. 2006 August 25;

Jakob Oskar Arlinger, b. 2009 September 24.

Godddaughter's daughter: Uma Sallon, b. 2015 August 14.

Godddaughter's son: Nino Ravi Sallon, b. 2018 January 28.

Education

Studentexamen at Norra real, Stockholm

1957 May 11

Filosofie kandidatexamen at Stockholm University College,
corresponding to 180 ECTS Credits of today, in the subjects
Mathematics

1958 May 29

Theoretical Philosophy	1958 May 31
Astronomy	1958 June 23
Diploma signed on	1958 July 01
Mathematics, highest course in the Bachelor Degree	1959 May 30
Military service in the Royal Swedish Air Force	1959 June 09 – 1960 July 09
Meteorology, course corresponding to 60 ECTS Credits	1960 June 01
<i>Filosofie licentiate</i> exam in Mathematics, Stockholm University	1964 April 10
<i>Filosofie doktorsgrad</i> , Stockholm University. PhD thesis defended on	1966 December 03
Docent in Mathematics, Stockholm University. Appointed on	1966 December 22
<i>Introductory Course in Persian</i> , 15 ECTS Credits	2008 January 26
<i>Persian Oral and Written Communication</i> [A], 7.5 ECTS Credits	2008 November 21
<i>Persian History and Religions</i> [A], 7.5 ECTS Credits	2008 December 10
<i>Persian Grammar</i> [A], 7.5 ECTS Credits	2008 December 12
<i>Persian Texts</i> [A], 7.5 ECTS Credits	2009 January 09
<i>Oral and Written Language Proficiency</i> [Persian B], 7.5 ECTS Credits	2009 May 08
<i>Persian Grammar</i> [B], 7.5 ECTS Credits	2009 May 15
<i>Persian Literature</i> [B], 7.5 ECTS Credits	2009 June 14
<i>Languages and Literature in the Middle East, Central and South Asia</i> , 7.5 ECTS Credits	2009 November 24
<i>The Religions, History and Cultural History of India</i> , 7.5 ECTS Credits	2010 January 28
<i>The Invention, Development and Use of Writing</i> , 7.5 ECTS Credits	2010 June 16
<i>Early Languages</i> , 7.5 ECTS Credits	2010 June 16
[Classical] <i>Greek I</i> , 15 ECTS Credits	2011 May 27
<i>Yiddish I. Language and Literature</i> , 15 ECTS Credits	2015 December 14
<i>Yiddish II. Language and Literature</i> , 15 ECTS Credits	2016 May 09
<i>Yiddish Workshop, Intermediate level</i> , Yiddish Summer Weimar	2016 July 17–23

Professional Experience

Assistant, Stockholm Astronomical Observatory	1957 June and August
Assistant, Mathematics, Stockholm University	1961–1963
Associate Teacher (<i>biträdande lärare</i>), Stockholm University	1963–1965
Member, Institute for Advanced Study, Princeton, NJ, USA	1965 July – 1966 June
Assistant Professor (<i>Docent</i>), Stockholm University	1967
Visiting Professor (<i>Maître de conférences associé</i>), Université de Nice	1967 October 01 – 1968 September 30
Associate Professor, Uppsala University, appointed by the King of Sweden, H. M. Gustaf VI Adolf	1968 April 01 – 1979 March 12
Visiting Professor, Université de Paris VI	1976 April 01 – May 31
Chaired Professor, Uppsala University	1979 March 13 – 2006 April 30
Visiting Professor, Université de Bordeaux I	1982 March 01–31
Visiting Professor, Université d'Aix-Marseille I	1986 April 01–30
Visiting Professor, Université Paul Sabatier (Toulouse III)	1987 January 01–31
Visiting Professor, Université Paul Sabatier (Toulouse III)	1990 September 01–30
Visiting Professor, Université de Grenoble I	1991 March 01–31
Professor Emeritus, Uppsala University, Department of Mathematics	2006 May 01 – 2014 September 12
Guest Professor, Uppsala University, Department of Information Technology	2014 September 15 – present

Honors

<i>Docteur Honoris Causa</i> , Université Paul Sabatier, Toulouse.	
Approved by the Minister of National Education on	2000 July 06
Title awarded in Toulouse on	2002 May 17
Gold medal for Zealous and Devoted Public Service, Kingdom of Sweden	2001 June 08
<i>Officier de l'Ordre National du Mérite</i> , appointed by the President of the French Republic, Jacques Chirac. Decree dated	2002 April 05
The insignia of the order handed over by the Ambassador of France to Sweden, Patrick Imhaus, on	2002 October 23
Gustavus Adolphus Gold Medal, awarded by Uppsala University on	2006 May 15
Honorary member, AIS-Bulgaria, elected on	2013 June 25
Diploma of the Universal Esperanto Association for outstanding activity for the International Language Esperanto; for works and publications in science and interlinguistics.	
Received in Buenos Aires on	2014 August 02
Pirlot Prize of the International Academy of Sciences in the category <i>Courses</i> (one of two prizes for the years 2013–2018).	
Decision announced in Lisbon on	2018 August 03
<i>Doctor Honoris Causa</i> , Linnaeus University, Campus Växjö	
Promoted by Professor Staffan Carius on	2022 March 25

Membership in academies

Royal Academy of Arts and Sciences, Uppsala	1983 — present
Royal Society of Sciences, Uppsala	1984 — present
International Academy of Sciences (AIS), San Marino	1984 — present
<i>Internacia Scienca Akademio Comenius</i>	1986 — present
[Esperanto Academy	1989 — 2015 December 15]
Royal Swedish Academy of Sciences	1990 — present
<i>Polska Akademia Umiejętności (Academia Scientiarum et Litterarum Polona</i> , Polish Academy of Arts and Sciences)	2002 — present
Confirmed by the President of the Republic of Poland on	2002 July 12
The diploma handed over by the Ambassador of Poland to Sweden, Marek Prawda, on	2003 June 10

Membership in professional societies

Swedish Astronomical Society (Life Member)	1954 — present
Swedish Mathematical Society (Life Member)	1960 — present
American Mathematical Society (Life Member)	1966 — present
Société Mathématique de France (paying yearly)	1960s — present
European Mathematical Society (paying yearly)	1990s — present
Uppsala Humanities Society	1990s — present
Associate Member, Scandinavian Society for Iranian Studies	2010 — present

Thesis advising: undergraduate theses

Johan Tysk, <i>On the multiplication of distributions</i> (corresponding to 7.5 ECTS Credits)	1981
Patrik Gustavsson, <i>Fraktalgeometri [Fractal geometry]</i> (corresponding to 15 ECTS Credits)	1988
Björn Ivarsson, <i>Radontransformationen [The Radon transformation]</i> (corresponding to 30 ECTS Credits)	1995
Pontus Andersson (now Pontus von Brömssen), <i>Preservation of regularity under some operations on convex sets</i> (corresponding to 30 ECTS Credits)	1995

Pierre Charbit and Julien Melleray (ENS Lyon), <i>Approximation of holomorphic functions by entire functions in infinite-dimensional spaces</i> (corresponding to 15 ECTS Credits)	1999
Erik Melin, <i>Connectedness and continuity in digital spaces with the Khalimsky topology</i> (corresponding to 30 ECTS Credits)	2003
Sara Nordström, <i>Sömnadens geometri [The Geometry of Sewing]</i> (corresponding to 30 ECTS Credits)	2003
Abtin Daghighi, <i>The Dirichlet problem for certain discrete structures</i> (corresponding to 30 ECTS Credits)	2005

Thesis advising: theses for the Degree of *filosofie licentiat*

Gerd Becker (now Gerd Brandell), <i>On the relation between the real and complex structures in some categories of complex linear spaces</i>	1971
Christer Borell, <i>Integral inequalities for starshaped functions</i>	1972
Stefan Halvarsson, <i>Extension of entire functions with controlled growth</i>	1992
Jonas Avelin, <i>Hardy spaces of analytic multifunctions</i>	1995
Björn Ivarsson, <i>Interior regularity of solutions to a complex Monge–Ampère equation</i>	1999
Erik Melin, <i>Digitization in Khalimsky spaces</i>	2005
Shiva Samieinia, <i>Digital straight line segments and curves</i>	2007

Thesis advising: theses for the PhD

Christer Borell, <i>Convex Measures on Infinite-Dimensional Vector Spaces</i>	1974
Urban Cegrell, <i>Removable Singularities For Plurisubharmonic Functions and Related Problems</i>	1975
Bengt Josefson, <i>Analytic Phenomena in $l^\infty(A)$ and $c_0(A)$</i>	1975
Aboubakr Bayoumi, <i>Holomorphic Functions on Metric Vector Spaces</i>	1979
Gunnar Berg, <i>Bounded Holomorphic Functions of Several Variables</i>	1979
Leif Abrahamsson, <i>Extension of Holomorphic Mappings</i>	1982
Mikael Passare, <i>Residues, Currents, and Their Relation to Ideals of Holomorphic Functions</i>	1984
WANG Xiaoqin, <i>Singular Integrals and Analyticity Theorems in Several Complex Variables</i>	1990
Stanley Einstein-Matthews, <i>Extremal Plurisubharmonic Functions and Complex Monge–Ampère Operators</i>	1993
Stefan Halvarsson, <i>Duality in Convexity Theory Applied to Growth Problems in Complex Analysis</i>	1996
Jonas Avelin, <i>Differential Calculus for Multifunctions and Nonsmooth Functions</i>	1997
Björn Ivarsson, <i>Regularity and Boundary Behavior of Solutions to Complex Monge–Ampère Equations</i>	2002
Thomas Ernst, <i>A New Method for q-Calculus</i> . (Sten Kaijser was his principal advisor prior to December 2001; after that, assistant advisor.)	2002
Ola Westrand, <i>Global Shape Description of Digital Objects</i> . (Gunilla Borgefors and Örjan Smedby were his other advisors.)	2005
Erik Melin, <i>Digital Geometry and Khalimsky Spaces</i> . (Gunilla Borgefors and Mikael Passare were his other advisors.)	2008
Hanna (now Hania) Uscka-Wehlou, <i>Digital Lines, Sturmian Words, and Continued Fractions</i> . (Maciej Klimek, Gunilla Borgefors, and Mikael Passare were her other advisors.)	2009
Shiva Samieinia, <i>Digital Geometry, Combinatorics, and Discrete Optimization</i> . (Julius Borcea and Rikard Bøgvad were her other advisors.)	2011

Adama Arouna Koné, *Géométrie digitale utilisée pour la discrétisation et le recouvrement optimal des objets euclidiens*.
(Ouaténi Dially, Diby Diarra, and Gunilla Borgfors were his other advisors.) 2016

Commissions

Treasurer, Swedish Mathematical Society	1970–1972
Chair, Department of Mathematics, Uppsala University	1971-07-01 – 1975-06-30
Chair, Department of Mathematics, Uppsala University	1977-01-01 – 12-31
Chair, Committee for Undergraduate Education in Mathematics and Computer Science, Uppsala University	1977–1983
Vice Dean, Division of Mathematics and Physics, Uppsala University	1985-07-01 – 1987-06-30
Vice President, <i>Internacia Scienco Asocio Esperantista</i> (ISAE)	1986–1993
Secretary General, <i>Internacia Scienco Akademio Comenius</i>	1986 – present
Scientific Director, Institut Mittag-Leffler, Djursholm, Sweden	Academic year 1987/1988
Member, Board of Institut Mittag-Leffler	1989–2005
Vice Chair, Swedish National Committee for Mathematics	1990–1994
Commissioned by Sennacieca Asocio Tutmonda to revise with H. S. Holdgrün the mathematical terms in <i>La nova plena ilustrita vortaro de Esperanto</i> (2002), 1,264 pp.	1991–2001
Chair of a group to prepare a revision of undergraduate education for the Mathematics-Science Program as well as courses on mathematics, computer science and natural sciences. Decision by the Board of the Faculty of Mathematics and Science on 1991 September 10.	Academic year 1991/1992
Dean for Mathematics and Computer Science, Uppsala University	1992-07-01 – 1993-06-30
Dean, Division of Mathematics and Computer Science, Uppsala University	1993-07-01 – 1996-06-30
Member, Academy Council, Royal Swedish Academy of Sciences	1993–1999
Chair, Group on information of the Faculty of Science and Technology, Uppsala University	1994-01-29 – 1999-10-31
Chair, Group for equality between women and men, Faculty of Science and Technology, Uppsala University	1994-10-18 – 1996-10-14
Chair, Swedish National Committee for Mathematics	1994–2002
Commissioned by Sennacieca Asocio Tutmonda to revise with Ingemar Kaj the statistical terms in <i>La nova plena ilustrita vortaro de Esperanto</i> (2002), 1,264 pp.	1995–1996
Member, Committee on equality between women and men, Uppsala University	1997-09 – 1998-06-30
Chair, Board of Institut Mittag-Leffler	1997–2003
Vice President, Esperanto Academy	1998–2004
Participant, <i>Intergovernmental Conference on Cultural Policies for Development</i> , organized by UNESCO in Stockholm; representing the Universal Esperanto Association (UEA) and the International Academy of Sciences (AIS)	1998-03-30–04-02
Senator, Uppsala University	1999-07-01 – 2002-06-30
Director, Graduate School in Mathematics and Computing (FMB) (PhD students in Uppsala, Karlstad, Östersund, Sundsvall, and Västerås)	2001-02-01 – 2006-04-30
Project leader, <i>Mathematical Terms for School Use</i> , commissioned by the National Center for Mathematics Education (NCM)	2001–2008
Member, Committee on Engineering Education, Faculty of Science and Technology, Uppsala University	2002–2005
Member, Reference Group for Mathematics of the International	

Science Programme (ISP). Visits to Kenya (2003), Senegal (2005), Cameroon (2006), Benin (2007), Ethiopia (2007 and 2009), Kenya and Tanzania (2010), Burkina Faso and Mali (2011), Tanzania (2012), Uganda and Rwanda (2013), South Korea (2014), Uganda (2016), Zambia (2017)	2002 – 2017
Member, Board of the Centre for Image Analysis	2003 – 2006-12-31
Member, National Mathematics Delegation, appointed by the Government of Sweden	2003-03 – 2004-09
Member, The Language Group of the Faculty of Science and Technology, Uppsala University	2003-06-10 – 2006-04-30
Rector, 56th Session of the International Congress University, Göteborg	2003
Secretary, Commission of the International Congress University (Vilnius, Florence, Yokohama)	2005–2007
Chair, Board of the Matts Essén Foundation	2005–2007
Member, Committee for the Ingvar Lindqvist Prize of the Royal Swedish Academy of Sciences	2006–2008
Member of a committee to judge grant applications to the Esperantic Studies Foundation (ESF)	2006-12-30 – 2016
Adjoint Member, the Reference Group (Steering Group) for the Graduate School in <i>Mathematics and Modelling</i> , Academy South-East, Sweden	2007-01-31 – 2008-12-31
Expert for an application to organize education for the Master Degree (Two Years), commissioned by the Swedish National Agency for Higher Education	2007
Lecturer, <i>Summer School in Digital Geometry and Mathematical Morphology</i> , Swedish Society for Automated Image Analysis	2007-08-14–17
Chair, Board of the Linda Peetre Memorial Fund	2008–2010
Rector, 64th Session of the International Congress University, Copenhagen	2011
President, Esperanto Academy	2013-10-05 – 2015-12-15
Member, Board of the Center For Research and Documentation on World Language Problems (CED)	2013-10-20 – 2018-12-31
Dean, Section of Structural Sciences, International Academy of Sciences (AIS), San Marino	2017-07-28 – 2019-12-31

Involvement in the organization of conferences, 1997–2021

Complex Analysis and Differential Equations. A Marcus Wallenberg Symposium in Honor of Matts Essén. 1997 June 15–18, Uppsala. Chair of the Organization Committee.

The First French-Nordic Summer School in Mathematics, La première École d'Été Franco-Nordique de Mathématiques, EEFN, held 2001 June 26 – July 03 at the Limnological Laboratory of Uppsala University close to Lake Erken. Organizer.

International Symposium on Language Planning and Lexicology, ISLPL 2001, held in Zagreb, 2001 July 28–30. Main organizer and Vice President of the Organizing Committee.

Preparation of Mathematics Teachers for the Future, an international research symposium held in Malmö 2003 May 05–07. Member of the Organizing Committee.

Symposium on Communication Across Cultural Boundaries, held in Göteborg, 2003 August 02–03. Main organizer and President of the Program Committee.

International Conference on Complex Analysis in Several Variables, Sundsvall 2004 June 21–24. Member of the Scientific Committee.

Fourth European Congress of Mathematics, 4ECM, Stockholm 2004 June 27 – July 02. Member of the Organizing Committee.

First International Conference on Several Complex Variables and Complex Geometry, SCVCG1, Beijing 2004 August 23–27. Member of the Organizing Committee.

- Tenth International Workshop on Combinatorial Image Analysis*, IWCIA, Auckland, 2004 December 01–03. Member of the Program Committee.
- 24th Nordic and 1st Franco-Nordic Congress of Mathematicians*, Reykjavík, 2005 January 06–09. Member of the Scientific Committee.
- 12th International Conference on Discrete Geometry for Computer Imagery*, DGCI 2005, Poitiers, 2005 April 13–15. Member of the Program Committee.
- Conference in Complex Analysis in Honor of Henri Skoda*, Paris, 2005 September 12–16. Member of the Organizing and Scientific Committee.
- Rolf Schock Prize Meeting in Mathematics*, Stockholm 2005 October 26. Member of the Organizing Committee.
- Digital Geometry for Computer Imagery*, DGCI, Szeged, 2006 October 25–27. Member of the Program Committee.
- GeoNet VI*, Porto-Novo, 2007 June 10–17. Scientifically responsible for the theme *Discrete and Combinatorial Geometry*, 2007 June 10–12.
- International Symposium on Mathematical Morphology*, ISMM, Rio de Janeiro, 2007 October 10–13. Member of the Program Committee.
- Digital Geometry for Computer Imagery*, DGCI, Lyon, 2008 April 16–18. Member of the Reviewing Committee.
- Nordic-Russian Symposium in Honor of Vladimir Maz'ya*, Stockholm, 2008 August 25–27. Member of the Organizing Committee.
- Conference on Esperanto Studies*, Białystok, 2009 July 30. Organizer.
- Regional and Interregional Cooperation to Strengthen Basic Sciences in Developing Countries*, Addis Ababa, 2009 September 01–04. Member of the International Advisory Committee and editor of the proceedings volume.
- Mini-Conference on Digital Geometry*, Uppsala, 2009 September 24. Main organizer.
- 15th IAPR International Conference on Discrete Geometry for Computer Imagery*, DGCI, 2009 September 30 – October 02, Montréal (QC). Member of the Program Committee.
- 13th International Workshop on Combinatorial Image Analysis*, IWCIA, Cancun, 2009 November 24–27. Member of the Reviewing and Program Committee.
- Conference on Esperanto Studies*, Havana, 2010 July 22. Organizer.
- 16th IAPR International Conference on Discrete Geometry for Computer Imagery*, DGCI, 2011 April 06–08, Nancy. Member of the Program Committee.
- Conference on Several Complex Variables on the Occasion of Józef Siciak's 80th Birthday*, 2011 July 04–08, Kraków. Member of the Scientific Committee.
- 17th IAPR International Conference on Discrete Geometry for Computer Imagery*, DGCI, 2013 March 20–22, Sevilla. Member of the Program Committee.
- 11th International Symposium on Mathematical Morphology*, ISMM, 2013 May 27–29, Uppsala. Member of the Organizing Committee; Invited Speakers' Chair; Member of the Program Committee.
- Conference on Esperanto Studies*, Reykjavík, 2013 July 25. Organizer together with Mélanie Maradan.
- 18th IAPR International Conference on Discrete Geometry for Computer Imagery*, DGCI, 2014 September 10–12, Siena. Member of the Program Committee.
- 12th International Symposium on Mathematical Morphology*, ISMM, Reykjavík, 2015 May 27–29. Member of the Technical Program Committee.
- 19th IAPR International Conference on Discrete Geometry for Computer Imagery*, DGCI, 2016 April 18–20, Nantes. Member of the Program Committee.
- 13th International Symposium on Mathematical Morphology*, ISMM, 2017 May 15–17, Fontainebleau. Member of the Program Committee.
- 20th IAPR International Conference on Discrete Geometry for Computer Imagery*, DGCI, 2017 September 19–21, Vienna. Member of the Program Committee.

Dagstuhl Seminar No. 18422: *Shape Analysis: Euclidean, Discrete and Algebraic Geometric Methods* held 2018 October 14–19 at Sloß Dagstuhl, Saarland. (One of four organizers.)

21-st IAPR International Conference on Discrete Geometry for Computer Imagery (DGCI), joint with the *14th International Symposium on Mathematical Morphology* (ISMM), and now called *Discrete Geometry and Mathematical Morphology* (DGMM), first planned to be held in Uppsala in December 2020; actually held 2021 May 24–27. (Honorary Chair.)