Research Interests	Algebraic and combinatorial representation theory
Education	 University of California, Berkeley, USA Ph.D., Mathematics, May 2007. Dissertation: "Kac-Moody superalgebras of finite growth". Advisor: Vera Serganova.
	• Texas A & M University, College Station, USA B.S., Mathematics, May 2001, summa cum laude.
Employment	 Technion - Israel Institute of Technology Aly Kaufman Postdoctoral Fellow October 2011 - February 2014 Hosts: Shlomi Gelaki, Tobias Hartnick Adjunct Lecturer: Spring 2014
	 Bar-Ilan University, Israel Postdoctoral Researcher October 2010 - September 2011 Host: Jonathan Beck
	 The Weizmann Institute of Science, Israel Postdoctoral Fellow July 2007 - August 2009, December 2009 - June 2010 Hosts: Maria Gorelik, Anthony Joseph
	 Adjunct Lecturer: Spring 2011; Winter 2013 Nara Women's University, Japan JSPS Postdoctoral fellow Japanese Society for the Promotion of Science September 2009 - November 2009
Visiting Positions	 Host: Tomoyuki Arakawa University of Michigan, Ann Arbor, 7.7 - 20.7.2013; 20.1 - 31.1.2014 RIMS: Research Institute for Mathematical Sciences, Kyoto University, Japan, 27.6 - 12.7.2011 Nara Women's University, Japan, 8.11 - 22.11.2008

Refereed Journals	 C. Hoyt, Good gradings of basic Lie superalgebras, Israel Journal of Mathematics, 192 no. 1 (2012), 251-280.
	 C. Hoyt, Regular Kac-Moody superalgebras and integrable highest weight modules, Journal of Algebra, 324 no. 12 (2010), 3308-3354.
	 C. Hoyt and S. Reif, Simplicity of vacuum modules over affine Lie super- algebras, Journal of Algebra, 321 no. 10 (2009), 2861-2874.
	 C. Hoyt and V. Serganova, Classification of finite-growth general Kac- Moody superalgebras, Communications in Algebra, 35 no. 3 (2007), 851- 874.
Proceedings	• C. Hoyt, On good Z-gradings of basic Lie superalgebras, Proceedings of the RIMS Symposium on Problems in Representation Theory and Harmonic Analysis, Japan (2011).
	• C. Hoyt, Classification of finite-growth contragredient Lie superalgebras, Proceedings of the Symposium on Representation Theory, Japan (2009).
Other Publications	· C. Hoyt, <i>Kac-Moody superalgebras of finite growth</i> , UC Berkeley disser- tation, ProQuest Publishing, May 2007.
Preprints	 M. Chmutov, C. Hoyt, S. Reif, Kac-Wakimoto character formula for the general linear Lie superalgebra. http://arxiv.org/abs/1310.3798 (submit- ted)
	· C. Hoyt, Weight modules of $D(2,1,\alpha)$, to appear in: Springer volume "Advances in Lie superalgebras", Proceedings of the conference on Lie superalgebras, Istituto di Alta Matematica, Rome, Italy. (refereed book) http://arxiv.org/abs/1307.8006
In preparation	\cdot M. Chmutov, C. Hoyt, S. Reif, Character formulas and tame representations of $\mathfrak{gl}(m n)$
Mathematical Editing	 A. Joseph, Consequences of the Littlemann path theory for the structure of the Kashiwara B(∞) Crystal, Highlights in Lie Algebraic Methods, Progress in Mathematics, Vol. 295, Birkhauser, 2011, 25-64.

Honors and Awards	\cdot 2009 JSPS Postdoctoral Fellowship: Japanese Society for the Promotion of Science.
	\cdot 2004 Mentored Research Award: University of California, Berkeley Graduate Division.
	\cdot Honorable mention for 2002 NSF Graduate Research Fellowship: National Science Foundation.
	\cdot Honorable mention for the 2001 Alice T. Schafer Prize: Association for Women in Mathematics.
Teaching Experience	\cdot Spring 2014: Lie algebras, Technion (Lectures in Hebrew)
	\cdot Fall 2013: Introduction to Lie algebras, Weizmann Institute
	\cdot Spring 2011: Introduction to Lie algebras, Weizmann Institute
	\cdot Spring 2010: Introduction to Lie algebras, Weizmann Institute
	\cdot Fall 2007: Introduction to Lie algebras, Weizmann Institute
	\cdot Summer 2005: Analytic Geometry and Calculus, UC Berkeley
	\cdot Summer 2004: Analytic Geometry and Calculus, UC Berkeley
Other activities	· Reading course instructor: Commutative algebra, Weizmann Institute, Fall 2010.
	\cdot Reading course instructor: Lie algebras, Weizmann Institute, Fall 2009.
	 Residential Counselor, Stanford University Math Camp, Summer 2003. SUMaC is a one month international program for talented high school students. I led a group project on coding theory, in addition to supervising and tutoring the students.

Conference Talks	· Twelfth Night Workshop in Representation Theory, The Weizmann Institute of Science, Israel, January 2014, Kac-Wakimoto character formula for $\mathfrak{gl}(m n)$.
	· Workshop on Orbits, Primitive Ideals and Quantum Groups, The Weizmann Institute of Science, Israel, February 2013, Finite weight modules for the Lie superalgebra $D(2, 1, a)$.
	· Lie superalgebras, Roma, Istituto Nazionale di Alta Matematica, Italy, December 2012, Good gradings of basic Lie superalgebras.
	• RIMS Symposium on Problems in Representation Theory and Harmonic Analysis, Research Institute for Mathematical Sciences, Japan, June 2011, Good gradings of basic Lie superalgebras.
	 Workshop on Problems and Progress of Lie Algebraic Theory, The Weizmann Institute of Science, Israel, July 2010, Good gradings of basic Lie superalgebras.
	· Symposium on Representation Theory, Okinawa, Japan, November 2009, Classification of finite-growth contragredient Lie superalgebras.
	 Workshop on Representation Theory of Lie Algebraic Systems, The Weiz- mann Institute of Science, Israel, December 2006, <i>Finite-growth general Kac-Moody superalgebras</i>.
	· AMS Western Section Meeting, San Francisco State University, USA, April 2006, Regular Kac-Moody superalgebras.
	 Lie Theory Workshop, MSRI, Berkeley, CA, USA, January 2005, Classification of finite-growth Kac-Moody superalgebras.