Cumulative Biobibliography
University of California, Santa Cruz

Chongying Dong
Professor
Department of Mathematics/Physical and Biological Sciences

EMPLOYMENT

1998-present	Professor, University of California, Santa Cruz
1994-1998	Associate Professor, University of California, Santa Cruz
1990-1994	Assistant Professor, University of California, Santa Cruz
1987-1990	Postdoctoral fellow, Rutgers University, New Brunswick
1986-1987	Assistant Professor, Graduate School, Academia Sinica, Beijing

EDUCATION

1978-1982	B.S. Mathematics, Xidian University
1982-1986	Ph.D. Mathematics, Institute of System Science, Academia Sinica, Beijing

PROFESSIONAL COMPETENCE AND ACTIVITY

Grants and Awards

1992-1994	National Security Agency, $9000
1993-1996	National Science Foundation, $51700
1997-2000	National Science Foundation, $60000
2000-2003	National Science Foundation, $70200
2003-2004	National Science Foundation, $10000
2003-2006	National Science Foundation, $105000
2006-2009	National Science Foundation, $123000
2007-2009	National Science Foundation, $77592
2009-2014	National Science Foundation, $215164
2010-2012	National Science Foundation, $49800
2013-2014	National Security Agency, $41120
2014-2017	National Science Foundation, $150000

PUBLISHED WRITING AND CREATING ACTIVITIES

1. C. Dong, On full subgroups of twisted groups, *Lecture Notes in Mathematics* Vol. 1185 (1985), 277–288.

2. C. Dong, Structure of some nonstandard modules for $C_n^{(1)}$, *J. Algebra* **120** (1989), 301–338.

3. C. Dong and J. Lepowsky, A Jacobi identity for the relative vertex operators and the equivalence of $Z-$algebras and parafermion algebras, in: *Proc. XVIIth Intl. Colloq. on Group Theoretical Methods in Physics,* Ste-Adèle, June, 1988, ed. Y. Saint-Aubin, World Scientific, Singapore, 1989, 235-238.

4. C. Dong, Vertex algebras associated with even lattices, *J. Algebra* **160** (1993), 245-265.

5. C. Dong and J. Lepowsky, Generalized Vertex Algebras and Relative Vertex Operators, *Progress in Math.* Vol. 112, Birkhäuser, Boston 1993.

6. C. Dong, Twisted modules for vertex algebras associated with even lattices, *J. Algebra* **165** (1994), 90-112.

7. C. Dong and J. Lepowsky, Abelian intertwining algebras − a generalization of vertex operator algebras, *Proc. Symp. Pure. Math., American Math. Soc.* **56** II (1994), 261-294.

8. C. Dong, G. Mason and Y. Zhu, Discrete series of the Virasoro algebra and the moonshine module, *Proc. Symp. Pure. Math., American Math. Soc.* **56** II (1994), 295-316.

9. C. Dong, Representations of the moonshine module vertex operator algebra, *Contemp. Math.* **175** (1994), 27-36.

10. C. Dong and G. Mason, The construction of the moonshine module as a $\mathbf{Z}_p$-orbifold, *Contemporary Math.* **175** (1994), 37-52.

11. C. Dong and G. Mason, Nonabelian orbifolds and boson-fermion correspondence, *Comm. Math. Phys.* **163** (1994), 523-559.

12. C. Dong and G. Mason, An orbifold theory of genus zero associated with the sporadic simple group M_{24}, *Comm. Math. Phys.* **164** (1994), 87-104.

13. C. Dong, Introduction to vertex operator algebra I, *Moonshine and vertex operator algebra,* Lecture Notes **904**, Research Institute for Mathematics Sciences, Kyoto University, 1995, 1-25.

14. C. Dong, Z. Lin and G. Mason, On vertex operator algebras as sl_2-modules, in: *Groups, Difference Sets, and the Monster, Proc. of a Special Research Quarter at The Ohio State University, Spring 1993,* ed. by K.T. Arasu, J.F. Dillon, K. Harada, S. Sehgal and R. Solomon, Walter de Gruyter, Berlin-New York, 1996, 349-362.

15. C. Dong and J. Lepowsky, The algebraic structure of relative twisted vertex operators, *J. Pure and Applied Algebra* **110** (1996), 259-295.

16. C. Dong, H. Li and G. Mason, Some twisted modules for the moonshine vertex operator algebras, *Contemp. Math.* **193** (1996), 25-43.

17. C. Dong and Z. Lin, Induced modules for vertex operator algebras, *Comm. Math. Phys.* **179** (1996), 157-184.

18. C. Dong and G. Mason, Vertex operator algebras and moonshine: A survey, *Advanced Studies in Pure Math.* **24** (1996), 101-136.

19. C. Dong, H. Li and G. Mason, Simple currents and extensions of vertex operator algebras, *Comm. Math. Phys.* **180** (1996), 671-707.

20. C. Dong, H. Li and G. Mason, Compact automorphism groups of vertex operator algebras, *International Math. Research Notices* **18** (1996), 913-921.

21. C. Dong and G. Mason, On quantum Galois theory, *Duke Math. J.* **86** (1997), 305-321.

22. C. Dong, H. Li and G. Mason, Regularity of rational vertex operator algebras, *Advances. in Math.* **132** (1997), 148-166.

23. C. Dong, H. Li and G. Mason, Vertex operator algebras and modules associated to admissible representations of $\hat{sl}_2$, *Comm. Math. Phys.*, **184** (1997), 65-93.

2

24. C. Dong, H. Li and G. Mason, The Analogue of Hom-functor and the associativity of tensor products of modules for vertex operator algebras, *J. Algebra* **188** (1997), 443-475.

25. C. Dong, H. Li and G. Mason, Certain associative algebras similar to $U(sl_2)$ and Zhu's algebra $A(V_L)$, *J. Algebra* **196** (1997), 532-551.

26. C. Dong, H. Li and G. Mason, Twisted representations of vertex operator algebras, *Math. Ann.* **310** (1998), 571-600.

27. C. Dong, H. Li, G. Mason and S. Norton, Associative subalgebras of the Griess algebra and related topics, in: *Proc. of the Conference on the Monster and Lie algebras at The Ohio State University, May 1996,* ed. by J. Ferrar and K. Harada, Walter de Gruyter, Berlin-New York, 1998, 27-42.

28. C. Dong, H. Li, G. Mason and P. Montague, The radical of a vertex operator algebra, in: *Proc. of the Conference on the Monster and Lie algebras at The Ohio State University, May 1996,* ed. by J. Ferrar and K. Harada, Walter de Gruyter, Berlin-New York, 1998, 17-25.

29. C. Dong, R. Griess Jr. and G. Hoehn, Framed vertex operator algebras, codes and the moonshine module, *Comm. Math. Phys.* **193** (1998), 407-448.

30. C. Dong, H. Li and G. Mason, Vertex operator algebras and associative algebras, *J. Algebra* **206** (1998), 67-96.

31. C. Dong, H. Li and G. Mason, Twisted representations of vertex operator algebras and associative algebras, *International Math. Research Notices,* **8** (1998), 389-397.

32. C. Dong and R. Griess Jr., Rank one lattice type vertex operator algebras and their automorphism groups, *J. Algebra* **208** (1998), 262-275.

33. C. Dong and G. Mason, Quantum Galois theory for compact Lie groups, *J. Algebra,* **214** (1999), 92-102.

34. C. Dong and K. Nagatomo, Classification of irreducible modules for the vertex operator algebra $M(1)^+$, *J. Algebra* **216** (1999), 384-404.

35. C. Dong and K. Nagatomo, Classification of irreducible modules for the vertex operator algebra V_L^+ for rank 1 lattice L, *Comm. Math. Phys.* **202** (1999), 169-195.

36. C. Dong, R. Griess Jr. and A. Ryba, Rank one lattice type vertex operator algebras and their automorphism groups, II E-series, *J. Algebra* **217** (1999), 701-710.

37. C. Dong, C. Lam and H. Yamada, Decomposition of the vertex operator algebra $V_{\sqrt{2}A_3}$, *J. Algebra,* **222** (1999), 500-510.

38. C. Dong and K. Nagatomo, Automorphism groups and twisted modules for lattice vertex operator algebra, *Contemp. Math.* **248** (1999), 117-133.

39. C. Dong, H. Li and G. Mason, Modular invariance of trace functions in orbifold theory and generalized moonshine, *Comm. Math. Phys.* **214** (2000), 1-56.

40. C. Dong and G. Mason, Monstrous Moonshine of higher weight, *Acta Mathematica,* **185** (2000), 101-121.

41. C. Dong and G. Mason, Vertex operator algebras and their automorphism groups, In: Proceedings of International Conference on Representation Theory (Shanghai, 1998), China Higher Education Press and Springer-Verlag, Beijing, 2000, 145-166.

42. C. Dong, C. Lam and H. Yamada, Decomposition of the vertex operator algebra $V_{\sqrt{2}D_l}$, *Comm. Contemp. Math.* **3** (2001), 137-151.

43. C. Dong, G. Mason and K. Nagatomo, Quasi-modular forms and trace functions associated to free boson and lattice vertex operator algebras, *International Math. Research Notices,* **8** (2001), 409-428.

44. C. Dong and K. Nagatomo, Classification of irreducible modules for the vertex operator algebra $M(1)^+$: higher rank, *J. Algebra,* **240** (2001), 289-325.

45. C. Dong and G. Mason, The radical of a vertex operator algebra associated to a module, *J. Algebra* **242** (2001), 360-373.

46. C. Dong and G. Mason, Transformation laws of theta functions, *CRM Proceedings and Lecture Notes, Centre de Recherches Mathématiques,* **30** (2001), 15-26.

47. K. Barron, C. Dong and G. Mason, Twisted sectors for tensor product VOAs associated to permutation groups *Comm. Math. Phys.* **227** (2002), 349-384.

48. C. Dong, H. Li and G. Mason, Vertex Lie algebra, vertex Poisson algebra and vertex algebras, *Contemp. Math.* **297** (2002), 69-96.

49. C. Dong and R. Griess Jr. Automorphism groups and derivation algebras of finitely generated vertex operator algebras, *Michigan Math. J.* **50** (2002), 227-239.

50. C. Dong and G. Yamskulna, Vertex operator algebras, Generalized double and dual pairs, *Math. Z.* **241** (2002), 397-423.

51. S. Berman, C. Dong and S. Tan, Representations of a class of lattice type vertex algebras, *J. Pure and Applied Algebra,* **176** (2002), 27-47.

52. C. Dong, K. Liu and X. Ma, On orbifold elliptic genus, *Contemp. Math.* **310** (2002), 87-106.

53. T. Abe, G. Buhl and C. Dong, Rationality, regularity and C_2-cofiniteness, *Trans. AMS.* **356** (2004), 3391-3402.

54. C. Dong and G. Mason, Holomorphic vertex operator algebras of small central charges, *Pacific J. Math.* **213** (2004), 253-266.

55. T. Abe and C. Dong, Classification of irreducible modules for the vertex operator algebra V_L^+ : general case, *J. Algebra* **273** (2004), 657-685.

56. C. Dong, C. Lam, K. Tanabe, H. Yamada and K. Yokoyama, $\mathbb{Z}_3$ symmetry and W_3 algebra in lattice vertex operator algebras,*Pacific J. Math.* **215** (2004), 245–296.

57. C. Dong and G. Mason, Rational vertex operator algebras and the effective central charge, *International Math. Research Notices* **56** (2004), 2989-3008.

58. C. Dong and G. Mason, Local and semilocal vertex operator algebras, *J. Algebra* **280** (2004), 350-366.

59. C. Dong, K. Liu, X. Ma and J. Zhou, K-theory associated to vertex operator algebras, *Mathematical Research Letters* **11** (2004), 629-647.

60. T. Abe. C. Dong and H. Li, Fusion rules for the vertex operator algebras $M(1)^+$ and V_L^+, *Comm. Math. Phys.* **253** (2005), 171-219.

61. C. Dong and Z. Zhao, Modularity in orbifold theory for vertex operator superalgebras, *Comm. Math. Phys.* **260** (2005), 227-256.

62. C. Dong and R. Griess Jr., The rank two lattice type vertex operator algebras V_L^+ and their automorphism groups, *Michigan Math. J.* **53** (2005), 691-715.

63. C. Dong, K. Liu and X. Ma, Elliptic genus and vertex operator algebras, *Quarterly J. Pure and Applied Math.* **1** (2005), 791-815.

64. C. Dong and Z. Zhao, Twisted representations of vertex operator superalgebras, *Comm. Contemp. Math.* **8** (2006), 101-122.

65. C. Dong and G. Mason, Integrability of C_2-cofinite vertex operator algebras, *International Math. Research Notices* **2006** (2006), Article ID 80468, 15 pages.

66. C. Dong and G. Mason, Shifted vertex operator algebras, *Mathematical Proceedings of the Cambridge Philosophical Society* **141** (2006), 67-80.

67. C. Dong and F. Xu, Conformal nets associated to lattices and their orbifolds, *Adv. Math.* **206** (2006), 279-306.

68. C. Dong, R. Griess Jr. and C. Lam, Uniqueness results of the moonshine vertex operator algebra, *American Journal of Math.* **129** (2007), 583-609.

69. C. Dong and C. Jiang, Representations of vertex operator algebras, *Contemp. Math.* **442** (2007), 303-313.

70. C. Dong and C. Jiang, Bimodules and g-rationality of vertex operator algebras, *Trans. AMS.* **360** (2008), 4235-4262.

71. C. Dong and C. Jiang, Bimodules associated to vertex operator algebra, *Math. Z.* **289** (2008), 799-826.

72. C. Dong and W. Zhang, On classification of rational vertex operator algebras with central charges less than 1, *J. Algebra* **320** (2008), 86-93.

73. C. Dong and W. Zhang, Rational vertex operator algebras are finitely generated, *J. Algebra* **320** (2008), 2610-2614.

74. C. Dong, C. Lam and H. Yamada, W-algebras in lattice vertex operator algebras, in *Lie Theory and Its Applications in Physics VII*, ed. by H.-D. Doebner and V. K. Dobrev, Proc. of the VII International Workshop, Varna, Bulgaria, 2007, *Bulgarian J. Phys.* **35** supplement (2008), 25–35.

75. C. Dong and W. Zhang, W-algebra $W(2,2)$ and the vertex operator algebra $L(1/2,0) \otimes L(1/2,0)$, *Comm. Math. Phys.* **285** (2009), 991-1004.

76. C. Dong, The Moonshine vertex operator algebra $V^\natural$, In: Proceedings of the Fourth International Congress of Chinese Mathematicians (Hangzhou, 2007), China Higher Education Press,Beijing, 2009, 424-441.

77. C. Dong, C. Lam and H. Yamada, W-algebras related to Parafermion algebras, *J. Algebra* **322** (2009), 2366-2403.

78. C. Dong, C. Lam, H. Yamada and Q. Wang, The structure of Parafermion vertex operator algebra, *J. Algebra* **323** (2010), 371-381.

79. C. Dong and C. Jiang, A characterization of vertex operator algebra $L(\frac{1}{2},0) \otimes L(\frac{1}{2},0)$, *Comm. Math. Phys.* **296** (2010), 69-88.

80. C. Dong and Z. Zhao, Modularity of trace functions in orbifold theory for $\mathbb{Z}$-graded vertex operator superalgebras, *London Mathematical Society Lecture Notes Series.* **372** (2010), 128-143.

81. C. Dong and Q. Wang, The structure of Parafermion vertex operator algebras: general case, *Comm. Math. Phys.* **299** (2010), 783-792.

82. C. Dong and Q. Wang, On C_2-cofiniteness of the parafermion vertex operator algebras, *J. Algebra* **328** (2011), 420-431.

83. C. Dong and Q. Wang, Parafermion vertex operator algebras, *Frontiers of Mathematics in China* **6(4)** (2011), 567-579.

84. C. Dong, C. Jiang and X. Lin, Rationality of vertex operator algebra V_L^+ : higher rank, *Proceedings of the London Mathematical Society*, **104** (2012), 799-826.

85. C. Dong and R. L. Griess, Integral forms in vertex operator algebras, **365** *J. Algebra* **365** (2012), 184-198.

86. C. Dong and N. Yu, Z-graded weak modules and regularity, *Comm. Math. Phys.* **316** (2012), 269-277.

87. C. Dong and J. Han, Some finite properties for vertex operator superalgebras, *Pacific J. Math.* **258** (2012), 269-290.

88. C. Dong, X. Jiao and F. Xu, Quantum Dimensions and Quantum Galois Theory, *Trans. AMS.*, **365** (2013), 6441-6469.

89. C. Dong and C. Jiang, Representations of the vertex operator algebra $V_{L_2}^{A_4}$, *J. Algebra* **377** (2013), 76-96.

90. C. Dong and L. Ren, Representations of vertex operator algebras and bimodules, *J. Algebra* **384** (2013), 212-226.

91. C. Dong and J. Han, On rationality of vertex operator superalgebras, *International Math. Research Notices* **2013** (2013), Article ID 80468, 15 pages.

92. C. Dong and C. Jiang, A characterization of the rational vertex operator algebra $V_{Z\alpha}^+$: II, *Adv. Math.* **247** (2013), 41-70.

93. C. Dong and X. Lin, Unitary vertex operator algebras, *J. Algebra* **397** (2014), 252-277.

94. C. Dong and L. Ren, Representations of vertex operator algebras over an arbitrary Field, *J. Algebra* **403** (2014), 497-516.

95. C. Dong, X. Jiao and F. Xu, Mirror extensions of vertex operator algebras, *Comm. Math. Phys.* **329** (2014), 263-294.

96. C. Dong and C. Jiang, A characterization of the vertex operator algebra $V_{L_2}^{A_4}$, Conformal Field Theory, Automorphic Forms and Related Topics (Heidelberg, 2011), 55-74, *Contributions in Mathematical and Computational Sciences* **8**, Springer, 2014.

97. C. Dong, C. Jiang, Q. Jiang, X. Jiao and Nina Yu, Fusion rules for the vertex operator algebra $V_{L_2}^{A_4}$, *J. Algebra* **423** (2015), 476-505.

98. C. Ai, C. Dong and X. Lin, Modularity of n-point functions and theta functions for vertex operator superalgebras, *J. Algebra* **442** (2015), 2-22.

99. C. Dong and X. Lin, The extensions of $L_{sl_2}(k, 0)$ and preunitary vertex operator algebras with central charges $c < 1$, *Comm. Math. Phys.* **340** (2015), 613-637.

100. C. Dong, X. Lin and S.H. Ng, Congruence property in conformal field theory, *Algebra & Number Theory* **9** (2015), 2121-2166.

101. C. Dong and C. Jiang, A characterization of vertex operator algebras $V_{Z\alpha}^+$: I, *J. Reine Angew. Math.* **709** (2015), 51-79.

102. C. Dong and Q. Wang, Quantum dimensions and fusion rules for parafermion vertex operator algebras, *Proc. AMS* **144** (2016), 1483-1492.

103. C. Dong and L. Ren, Vertex operator algebras associated to the Virasoro algebra over an arbitrary field, **368** *Trans. AMS.* (2016), 5177-5196.

104. C. Dong, F. Xu and N. Yu, 2-cyclic permutations of lattice vertex operator algebras, *Proc. AMS* **144** (2016), 3207-3220.

105. C. Dong and R. Griess, Lattice-integrality of certain group-invariant integral forms in vertex operator algebras, *J. Algebra* **474** (2017), 505-516.

106. C. Dong, F. Xu and N. Yu, 2-Permutations of lattice vertex operator algebras: Higher rank, *J. Algebra* **476** (2017), 1-25.

107. C. Dong and L. Ren, Representations of the parafermion vertex operator algebras, *Adv. Math.* **315** (2017), 88-101.

108. C. Dong L. Ren and F. Xu, On orbifold theory, *Adv. Math.* **321** (2017), 1-30.

109. C. Dong and L. Ren, Congruence property in orbifold theory, *Proc. AMS.* **146** (2018), 497-506.

110. C. Dong, F. Xu and N. Yu, The 3-permutation orbifold of a lattice vertex operator algebra, *J. Pure & Applied Alg.* **222** (2018), 1316-1336.

111. C. Ai, C. Dong, X. Jiao and L. Ren, The irreducible modules and fusion rules for the Parafermion vertex operator algebras, *Trans. AMS.* **370** (2018), 5963-5981.

112. C. Dong and H. Wang, Hopf actions on vertex operator algebras, *J. Algebra* **514** (2018), 310-329.

UNIVERSITY SERVICE

Department of Mathematics

1990-1991	Member, Algebra Preliminary Exam Committee
1991-1992	Member, Algebra Preliminary Exam Committee
	Member, Curriculum Committee
1992-1993	Member, Algebra Preliminary Exam Committee
1993-1994	Undergraduate Vice Chair
1994-1995	Undergraduate Vice Chair
	Member, Algebra Preliminary Exam Committee
1995-1996	Member, Search Committee
	Member, Graduate Student Admission Committee
	Member, Algebra and Analysis Preliminary Exam Committees
1996-1997	Member, Algebra Preliminary Exam Committee
1997-1998	Member, Search Committee
	Teaching Vice Chair
	Member, Algebra Preliminary Exam Committee
1998-1999	Recruiting Vice Chair
1999-2000	Mentor of Assistant Professor Baruch
2001-2005	Graduate Vice Chair
2005-2006	Colloquium Vice Chair
2005-2008	Member, the Graduate Admission Committee
2008-2011	Department Chair
2013-2014	Member of hiring committee for Algebra and Number Theory
	Diversity Liais
2014-2015	Member, Algebra Preliminary Exam Committee
2015-2016	Member, Algebra Preliminary Exam Committee
2016-2017	Member, Algebra Preliminary Exam Committee
2016-2017	Hiring committee Chair for Algebra and Number Theory

Academic Senate

1998-1999	Member, Senate Ad Hoc Committee
2001-2002	Member, Senate Ad Hoc Committee
2002-2003	Member, Senate Ad Hoc Committee
2004-2005(W)	Member, The Senate Committee on Teaching
2005-2007	Member, The Senate Committee on Admission and Financial Aids

OUTSIDE PROFESSIONAL ACTIVITIES

Seminar and Colloquium Talks

1. Yale University, New Haven, Connecticut (November, 1987)
   Lie theory Seminar: *Structure of some nonstandard modules for affine Lie algebras*

2. Temple University, Philadelphia, Pennsylvania (November, 1989)
   Colloquium: *Z-algebras and parafermion algebras*

3. Rutgers University, New Brunswick, NJ (March, 1992)
   Conformal Field Theory Seminar: *Representations of the moonshine algebra*

4. Rutgers University, New Brunswick, NJ (September, 1993)
   Conformal Field Theory Seminar: *Orbifold theory*

5. Nankai Institute of Mathematics, China (May, 1994)
   Three lectures on vertex operator algebras

6. The Capital Normal University, China (May and June, 1994)
   Two lectures on vertex operator algebras

7. Tsukuba University, Japan (September 14, 1994)
   Algebra Seminar: *Quantum Galois theory*

8. Hitotsubashi University, Japan (September 16, 1994)
   Colloquium: *Introduction to vertex operator algebras*

9. Tokyo University, Japan (September 19, 1994)
   Group Theory Seminar: *Vertex operator algebras and the modular invariance*

10. Chiba University, Japan (September 21, 1994)
    Algebra Seminar: *Quantum Galois theory*

11. San Jose State University (February 8, 1996)
    Colloquium: *The monster and Lie algebras*

12. University of Michigan (September 9, 1996)
    Lie Theory Seminar: *Affine Lie algebras and vertex operator algebras*

13. University of Michigan (September 10, 1996)
    Colloquium: *Monstrous moonshine*

14. California State University at Hayward (October 25, 1996)
    Colloquium: *The Monster and vertex operator algebras*

15. University of New South Wales and University of Sydney (September 11-13, 1997)
    Joint Colloquium: *Vertex operator algebras and generalized moonshine*

16. Kansas State University (April 2, 1998)
    Colloquium: *The monstrous moonshine and vertex operator algebras*

17. The Mathematical Science Research Institute, Kyoto University, Japan (Nov. 20, 1998)
    Analysis Seminar: *Coset constructions and dual pairs for vertex operator algebras*

18. Xidian University, China (Sept. 29, 1999)
    1 Hour Talk: *Mathematical education in US universities*

19. Xiamen University (Oct. 3-9, 1999)
    Three lectures on vertex operator algebras

20. Institute of Mathematics, Academia Sinica (Oct. 27, 1999)
    Colloquium: *Monster and vertex operator algebras*

21. Beijing University (Nov. 5, 1999)
    Colloquium: *Monster, Moonshine and vertex operator algebras*

22. Graduate School, Academia Sinica (Nov. 11, 1999)
    Colloquium: *Monster, Moonshine and vertex operator algebras*

23. Beijing University (Oct. 15 - Nov. 13, 1999)
    Nine lectures on vertex operator algebras

24. Rutgers University, New Brunswick, NJ (Dec. 10, 1999)
    Conformal Field Theory Seminar: *Holomorphic orbifold theory and dual pairs*

25. York University Canada (April 3, 2000)
    Algebra Seminar: *Monstrous moonshine and vertex operator algebras*

26. Oklahoma State University (May 4-5, 2000)
    Karcher Colloquium Lectures: 1. Generalized moonshine; 2. Holomorphic vertex operator algebras.

27. Chinese University of Hong Kong (June 15, 2000)
    Colloquium talk: *Vertex operator algebras and monstrous moonshine*

28. Morningside Center for mathematics, Chinese Academy of Science (Aug. 5-12, 2000)
    Three lectures on vertex operator algebras

29. The Fields Institute for Mathematical Sciences (Fall, 2000)
    20 Lectures on vertex algebras.

30. University of Michigan (Nov. 6, 2000)
    Lie Theory Seminar: *Introduction to vertex algebras*

31. Chinese University of Hong Kong (Dec. 14, 2000)
    Seminar talk: *Introduction to voas*

32. Concordia University (April 3, 2001)
    Colloquium talk: *Orbifold theory*

33. Osaka University, Japan (June 25, 2001)
    Colloquium talk: *Vertex operator algebras and moonshine*

34. Hitotsubashi University, Japan (July 30, 2001)
    Colloquium: *Permutation orbifolds*

35. North Carolina University (April 3, 2002)
    Algebra Seminar: *Rationality, regularity and C_2-cofiniteness*

36. Mathematical Science Research Institute, Berkeley (May 14, 2002)
    Program talk: *Rational vertex operator algebras and effective central charges*

37. Xiamen University, China (July, 2002)
    Two lectures on vertex operator algebras.

38. Shanghai Jiaotong University, China (Aug. 4, 2002)
    Colloquium talk: *Rationality of vertex operator algebras*

39. Tongji University, China (Aug. 5, 2002)
    Colloquium talk: *Holomorphic vertex operator algebras*

40. China East Normal University, China (Aug. 6, 2002)
    Colloquium talk: *Orbifold theory and coset construction*

41. University of Michigan (Jan. 6, 2003)
    Algebra Seminar talk: *Vertex operator algebras and reductive algebras*

42. Ecole Normale Superieure, France (March 25, 2003)
    Quantum Group Seminar: *Vertex operator algebras*

43. UC Santa Barbra (April 24, 2003)
    Colloquium talk: *The Monster and vertex operator algebras*

44. China East Normal University, China (Sept. 9, 2003)
    1 hour talk: *Moonshine and vertex operator algebras*

45. Shanghai Jiaotong University, China (Sept. 10-11, 2003)
    2 lectures: *Affine algebras and vertex operator algebras*

46. Tongji University, China (Sept. 12, 2003)
    Colloquium talk: *Open problems in vertex operator algebras*

47. Zhejiang University, China (Feb. 26, 2004)
    Special seminar: Introduction to moonshine

48. UC Riverside (May 26, 2004)
    Colloquium talk: *Affine algebras and vertex operator algebras*

49. Morningside Center for mathematics, Chinese Academy of Science (July 18, 2004)
    Special seminar: *Boson-Fermion correspondence*

50. Harbin Normal University, China (Aug. 19, 2004)
    Special seminar: *What is the moonshine?*

51. Xiamen University, China (Aug. 25-27, 2004)
    Three lectures on highest weight representations of infinite dimensional Lie algebras

52. Tongji University, China (Aug. 30–Sept. 10, 2004)
    Eight Lectures on vertex operator algebras

53. China East Normal University (Sept. 9, 2004)
    Special seminar: *Vertex operator algebras and K-theory*

54. Shanghai Jiaotong University, China (Sept. 9, 2004)
    Special seminar: $N = 2$ *super algebras*

55. Chinese University of Sciences and Technology, China (Dec. 8-11, 2004)
    Two lectures on vertex operator algebras

56. Northwest University, China (Dec. 27, 2004)
    Special lecture: *Moonshine conjecture*

57. Xian University of Architecture Sciences and Technology, China (Dec. 27, 2004)
    Special lecture: *Moonshine conjecture*

58. University of Michigan (March 14, 2005)
    Group and Lie Theory Seminar: *On the uniqueness of the moonshine VOA*

59. Sichuan University, China (June 20-July 10, 2005)
    Ten lectures on vertex operator algebras and geometry

60. Institute of Mathematic, Chinese Academy (Aug. 15, 2005)
    Colloquium: *Vertex operator algebras and modular forms*

61. University of Sciences and Technology of China, China (Dec. 26, 2005)
    Colloquium: Classification of rational vertex operator algebras with $c < 1$.

62. Wilfrid Laurier University, Canada (March 30, 2006)
    Colloquium: Moonshine and vertex operator algebras

63. Northwest University, China (August 12, 2006)
    Summer School in mathematical physics: Introduction to vertex operator algebras

64. Xiamen University, China (August, 2006)
    Two lectures on rational vertex operator algebras

65. Xiangtan University, China (August 25, 2006)
    Colloquium talk: Vertex operator algebras

66. Hunan Normal University, China (August 31, 2006)
    Colloquium talk: Lie groups and vertex operator algebras

67. Shanghai Jiaotong University, China (Sept. 7, 2006)
    Colloquium talk: Rational vertex operator algebra is finitely generated

68. East China Normal University, China (Sept. 8, 2006)
    Colloquium talk: Rationality of vertex operator algebras

69. Illinois State University (Nov. 4, 2006)
    Special lecture: Representation theory of vertex operator algebras

70. Tokyo University, Japan (Dec. 14, 2006)
    Operator algebra seminar: On the uniqueness of moonshine vertex operator algebras

71. University of Sciences and Technology of China, China (June 2007)
    24 Lectures on vertex operator algebras

72. East China Normal University, Shanghai (Aug. 8, 2007)
    Colloquium talk: *On classification of rational vertex operator algebras with central charges less than 1*

73. University of Minnesota at Twin City (Sept. 27, 2007)
    Colloquium talk: Uniqueness of the moonshine vertex operator algebras

74. China East Normal University, Shanghai (Aug. 6,7,8, 2008)
    3 Lectures on rational vertex operator algebras with small central charges

75. Xiamen University (Aug. 20, Sept. 3, 2008)
    3 Lectures on highest weight module theory for vertex operator algebras

76. Shanghai Jiaotong University (Dec. 22, 2008)
    Colloquium talk: C_2-cofinite vertex operator algebras

77. Shanghai Jiaotong University (March 23, 2009)
    Colloquium talk: On classification of rational vertex operator algebras with $c = 1$

78. Xiamen University (Dec. 2009)
    5 Lectures on infinite dimensional Lie algebras and kdv equations.

79. Changshu Institute Science and Technology (Dec. 2009)
    Colloquium talk: Introduction to vertex algebras

80. Institute of Theoretical Physics, Chinese Academy (August 10, 2010)
    Program talk: Quantum dimensions and quantum Galois theory

81. Shanghai Jiaotong University (August 20, 2010)
    Algebra seminar talk: Quantum dimensions and quantum Galois theory

82. Shanghai University (Dec. 20, 2010)
    Special lecture: Lie algebras and applications

83. Shandong Institute of Business and Technology, China (July 16, 2011)
    Special lecture: Quantum dimensions

84. Shanghai University (Dec. 13, 2011)
    Special lecture: Quantum dimensions and Quantum Galois theory

85. Zhejiang University (Dec. 15, 2011)
    Distinguished lecture: Quantum dimensions and Quantum Galois theory

86. Northeast Normal University (Feb. 26, March 2, 2012)
    Colloquium talks: (1) Moonshine conjecture and vertex operator algebras, (2) Quantum dimensions and Quantum Galois theory

87. Jilin University (March 1, 2012)
    Colloquium talk: Quantum dimensions and Quantum Galois theory

88. Henan Normal University (March 19, 2012)
    Colloquium talk: Moonshine conjecture and vertex operator algebras

89. Institute of Mathematics, Chinese Academy (Sept. 5, 2012)
    Hua Luogeng Lecture: Modularity in conformal field theory

90. Xiamen University, China (July 8, 2013)
    Colloquium talks: (1) Quantum dimensions and Quantum Galois theory, (2) Modular invariance in conformal field theory

91. Dalian University of Technology, China (Sept. 4, 2013)
    Colloquium talk: Quantum dimensions and Quantum Galois theory

92. Shanghai Jiaotong University, China (Dec. 30, 2013)
    Colloquium talk: Classification of rational vertex operator algebras with $c = 1$

93. Shanghai Normal University, China (Dec. 31, 2013)
    Colloquium talk: Quantum dimensions and Quantum Galois theory

94. Academia Sinica, Taiwan (March 34, 2014)
    Representation theory seminar: Quantum dimensions and Quantum Galois theory

95. Dalian University of Technology, China (Sept. 18, 2014)
    Colloquium talk: Lie algebras and vertex operator algebras

96. Beijing University, China (Sept. 19, 2014)
    Colloquium talk: Modularity in vertex operator algebras and conformal field theory

97. Shanghai Jiaotong University, China (Sept. 29, 2014)
    Colloquium talk: Rationality and unitary vertex operator algebras

98. Shanghai Tongji University, China (March 25, 2015)
    Colloquium talk: Orbifold and coset theory

99. Shanghai Jiaotong University, China (March 26, 2015)
    Special talk: Obifold theory and dual pairs

100. Shanghai Normal Univeraity, China (March 26, 2015)
     Colloquium talk: Introduction to vertex operator algebras

101. Shanghai Jiaotong University, China (July 1, 2015)
Colloquium talk: Orbifold theory

102. Shantou University, China (May 6, 2016)
Colloquium talk: Modular invariance in orbifold theory

103. Shanghai Tongji University, China (May 11, 2016)
Colloquium talk: Congruence properties in conformal field theory

104. North East Normal University, China (May 20, 2016)
Colloquium talk: Moonshine vertex operator algebra

105. Harbin Normal University, China (May 23, 2016)
Colloquium talk: Lie algebras and their representations

106. Zhejiang University, China (July 21, 2016)
Special talk: Quantum dimensions

107. Shanghai Jiaotong, China (April 13, 2017)
Colloquium talk: Congruence properties in conformal field theory

108. Shanghai Jiaotong, China (April 14, 2017)
Algebra seminar talk: Module category associated to vertex operator superalgebra

109. Shanghai Jiaotong, China (April 14, 2017)
Algebra seminar talk: Module category associated to vertex operator superalgebra

110. North East Normal University, China (May 22, 2017)
Colloquium talk: Affine Kac-Moody algebras and vertex operator algebras

111. Jilin University, China (May 23, 2017)
Colloquium talk: Affine Kac-Moody algebras and vertex operator algebras

112. Tongji University, China (Aug. 5, 2017)
Colloquium talk: 16-fold ways conjecture and vertex operator superalgebras

113. Nanjing University, China (Aug. 8, 2017)
Colloquium talk: Vertex operator algebras and modular functions

114. Beijing Institute of Technology (Aug. 10, 2017)
Colloquium talk: 16-fold ways conjecture and vertex operator superalgebras

115. Fushang Institute of Technology (Aug. 31, 2017)
Colloquium talk: Vertex operator algebras and modular functions

116. Yangzhou University (Dec. 21, 2017)
Colloquium talk: Hopf actions on vertex operator algebras

117. Xiamen University (Sept. 26, 2018)
Colloquium talk: Hopf actions on vertex operator algebras

118. Central China Normal University (Nov. 15, 2018)
Colloquium talk: Groups and vertex operator algebras

119. Wuhan University (Nov. 16, 2018)
Colloquium talk: Modularity in vertex operator algebras

Invited Conference Talk

1. International Symposium on Group Theory , Beijing, China (August 27–September 8, 1984)
2o-min Talk: *On full subgroups of twisted groups*

2. Special Session of the American Mathematical Society meeting, College of the Holy Cross, Worcester, Massachusetts (April 15–16, 1989)
20-min Talk: *A Jacobi identity for relative twisted vertex operators*

3. American Mathematical Society Summer Institute, Pennsylvania State University, University Park, Pennsylvania (July 8–28, 1991)
30-min Talk: *The moonshine module vertex operator algebra and the Virasoro algebra with central charge 1/2*

4. Special Session of the American Mathematical Society meeting, Temple University, Philadelphia, Pennsylvania (October 12-13, 1991)
20-min Talk: *p-structure of the moonshine module*

5. Workshop on Lie groups, Lie algebras and their representations, University of California, Santa Cruz, CA (May 29-30, 1992)
1 Hour Talk: *Representations of the Monster algebra*

6. American Mathematical Society Summer Research Conference: Conformal Field theory, topological field theory, and quantum groups, Mount Holyoke College, South Hadley, MA (June 11-17, 1992)
Plenary Talk: *The moonshine module vertex operator algebra*

7. Workshop on Moonshine and related topics, University of Glasgow, Scotland (June 19-22,1992)
1 hour talk: declined

8. Workshop on Monster, Ohio State University, Columbus, Ohio (May 19-23, 1993)
Plenary Talk: *Representations of vertex operator algebras*

9. Special Session of the American Mathematical Society meeting, Syracuse University, Syracuse, New York (September 18-19, 1993)
30-min Talk: *Twisted representations of vertex operator algebras and orbifold theory*

10. Special Session of the American Mathematical Society meeting, Kansas State University, Manhattan, Kansas (March 25-26, 1994)
20-min Talk: *Modular-invariance of trace functions in orbifold theory*

11. American Mathematical Society Summer Research Conference: The Monster, Moonshine and Related topics, Mount Holyoke College, South Hadley, MA (June 19-24, 1994)
Plenary Talk: *The Galois theory for vertex operator algebra*

12. Conference: Vertex operator algebras and Moonshine, The Mathematical Science Research Institute, Kyoto University, Japan (September 5-9, 1994)
Plenary Talk: *Lectures on vertex operator algebras*

13. Special Session of the American Mathematical Society meeting, Greensboro, North Carolina (November 17-18, 1995)
20-min Talk: *Twisted representations of vertex operator algebras*

14. Second Columbus Monster conference, Ohio State University, Columbus, Ohio (May 23-26, 1996)
Plenary Talk: *Compact automorphism groups of vertex operator algebras*

15. Workshop on Elliptic Cohomology and related topics, University of Glasgow, Scotland (January 27-31, 1997)
Plenary Talk: *Vertex operator algebras and moonshine*

16. Topical Workshop on Vertex Operator Algebras in Mathematics and Physics, National Institute for Theoretical Physics, University of Adelaide, Australia (September 8-10, 1997)
Plenary Talk: Two lectures on Dual pairs in vertex operator algebras, associative algebras and vertex operator algebras.

17. Conference on representations of affine and quantum affine algebras and related topics, North Carolina State University (May 21-24, 1998)
Plenary Talk: *Quantum Galois theory and dual pairs*

18. International conference on representation theory, East China Normal University (June 29-July 4, 1998)
Plenary Talk: *Monstrous moonshine and orbifold conformal field theory*

19. The autumn meeting of the Swedish Mathematical Society, Lund (Oct. 2, 1998)
Plenary Talk: *Monstrous moonshine and vertex operator algebras*

20. Workshop on vertex operator algebras, Osaka University, Japan (Nov. 25-26, 1998)
1 Hour Talk: *Coset constructions and dual pairs for vertex operator algebras*

21. UC Lie theory workshop, UCLA (Dec. 5-6, 1998)
1 Hour Talk: *Coset constructions and dual pairs for vertex operator algebras*

22. Moonshine workshop, University of Montreal (May 29 -June 4, 1999)
Plenary Talk: *Vertex operator algebras, groups, modular forms and differential equations*

23. National Conference on Algebra, Beijing Normal University, China (Oct. 10-14, 1999)
Plenary Talk: *Holomorphic vertex operator algebras, quantum doubles and dual pairs*

24. Workshop on Combinatorial Algebra, Mathematical Science Research Institute, Berkeley (Jan. 10-14, 2000)
Plenary Talk: *Vertex operator algebras and dual pairs*

25. Conference on Infinite dimensional Lie theory and conformal field theory, University of Virginia (May 22 - 27, 2000)
Plenary Talk: Holomorphic vertex operator algebras of small central charges

26. Workshop on Lie theory, Pacific Institute for the Mathematical Sciences, University of Alberta (June 22 - 30, 2000)
Plenary Talk: Reductive Lie algebras and vertex operator algebras

27. Conference on Algebraic Combinatorics, Monster and Vertex Operator Algebras, UCSC (July 24-28, 2000)
Plenary Talk: Reductive Lie algebras and holomorphic vertex operator algebras

28. Symposium on Quantum Groups, Dunba, Rassia (July 31-Aug. 5, 2000)
One Hour Talk: declined

29. Workshop on mathematical Physics, Morningside Center for Mathematics (Aug. 5-12, 2000)
Plenary Talk: Reductive Lie algebras and vertex operator algebras

30. Special Session of the American Mathematical Society meeting, Toronto (September 23-24, 2000)
    1 Hour Talk: *Radicals of vertex operator algebras*

31. Workshop on Vertex Operator Algebras in Mathematics and Physics, The Fields Institute for Mathematical Sciences (Oct. 23-27, 2000)
    Plenary Talk: *Vertex operator algebras and dual pairs*

32. Symposia on Infinite Dimensional Lie Algebras, The Canidian Mathematical Society, Saskatoon (June 2-4, 2001)
    50 Minute Talk: *One point functions on torus*

33. Workshop on Lie algebra, Morningside Center for Mathematics (June. 18-23, 2001)
    Plenary Talk: Monstrous moonshine and vertex operator algebras

34. The Symposium on algebraic combinatorics, Chiba University, Japan (July 2-4, 2001)
    Plenary Talk: *Automorphism groups of vertex operator algebras*

35. International workshop on integrable models, combinatorics and representation theory, The Mathematical Science Research Institute, Kyoto University, Japan (Aug. 12-16, 2001)
    Plenary Talk: *Lie algebras and vertex operator algebras*

36. Workshop on representations of loop groups, Institute of Pure and Applied Mathematics, UCLA (Nov. 12-16, 2001)
    Plenary Talk: *Elliptic genus and vertex operator algebras*

37. Symposia on Infinite Dimensional Lie Algebras and related topics, The Canidian Mathematical Society, Toronto (Dec. 8-10, 2001)
    1 hour Talk: declined.

38. String Theory Conference, Hangzhou, China (August 12-15, 2002)
    Invited talk: *Vertex operator algebras and index theory*

39. Symposia on Infinite Dimensional Lie Algebras and Moonshine, Ottawa (Dec. 8-10, 2002)
    1 hour talk: *Moonshine and permutation orbifolds*

40. Workshop on Integration on Arc Spaces, Elliptic Genus and Chiral de Rham Complex, Banff International Research Station (June 14-19, 2003)
    1 hour talk: *Introduction to vertex algebras*

41. Conference on Infinite Dimensional Lie Algebras and Related Topics, Fields Institute (July 17-25, 2003)
    4 lectures (4 hours) on vertex operator algebras and K-theory

42. Lie Algebra Conference, Xiamen (July 28 - August 3, 2003)
    Invited talk (1 hour): *Affine Kac-Moody algebras and vertex operator algebras*

43. Algebra Workshop, Xiamen (August 4-5, 2003)
    3 lectures on vertex operator representations of affine algebras

44. The Second East Asian Conference on Algebra and Combinatorics (Nov. 17-21, 2003), Kyushu University
    Invited Talk: C_2-cofiniteness and integrability

45. Workshop on Tensor Category in Mathematics and Physics (June 21-July 2, 2004), Erwin Schrodinger Institute, Vienna
    Invited talk (90 minutes): *Affine Kac-Moody algebras and vertex operator algebras*

46. Moonshine - the First Quarter Century and Beyond, A Workshop on the Moonshine Conjectures and Vertex Algebras
(July 3-13, 2004), Edinburgh
2 Invited lectures (1 hour each): *1. Orbifold theory and moonshine; 2. Permutation orbifolds and moonshine*

47. The Third International Representation Theory Conference
(July 28-Aug. 4, 2004) Chengdu, China
Invited talk (1 hour): *Affine algebras and vertex operator algebras*

48. Conference "Perspective arising from Vertex Algebra Theory" (Nov. 8-Nov. 12), Osaka, Japan
Invited talk (80 minutes): *Vertex operator superalgebras*

49. Workshop on Vertex Operator Algebras and Conformal Field Theory
(Dec. 12-16), Institute for Advanced Study in Mathematics and Physics, Chinese University of Sciences and Technology, Shanghai
3 Lectures on framed vertex operator algebras

50. The Third International Congress of Chinese Mathematicians
(Dec. 17-Dec. 22, 2004), Hongkong
Invited Talk (45 minutes): *Vertex operator superalgebras*

51. Conference "Lie Algebras, Vertex Operator Algebras and Their Applications" (May 17-21, 2005), Raleigh, North Carolina
Invited Talk (1 hour): *On the uniqueness of the moonshine VOA*

52. Lie Algebra conference (July 11-15, 2005), Harbin, China
Invited Talk: *Vertex operator algebras and elliptic genus*

53. The international conference "Mathematics: opportunity and Challenge" (July 22-29, 2005), Weihai, China
Invited Talk (45 minutes): *On the uniqueness of the moonshine VOA*

54. Workshop on Generalized McKay correspondences and representation theory
(March 20-24, 2006), MSRI
Invited Talk (1 hour): *Rationality of vertex operator algebras*

55. Special Session of the American Mathematical Society meeting, San Francisco (April 29-30, 2006)
20 minute talk: *Representations of vertex operator algebras*

56. Workshop on vertex operator algebras and related topics, Tokyo University (Dec. 15, 2006)
1 hour talk: *Rational vertex operator algebras are finitely generated*

57. Workshop on Group theory and related topics, Mathematical Science Research Institute, Kyoto University, Japan (Dec. 18-21, 2006)
Plenary Talk: *Representation theory of vertex operator algebras*

58. Workshop on Groups and symmetries: From the Neolithic Scots to John McKay, Centre De Recherches Mathématiques, Canada (April 27-29, 2007)
Plenary talk: *Rationality of vertex operator algebras*

59. Workshop on Lie algebra, University of Science and Technology of China (July 9-11, 2007)
1 hour talk: *A characterization of certain vertex operator algebras*

60. The Forth International Conference on representation theory, Lhasa, China (July 16-20, 2007)
Plenary talk: *Representation theory for vertex operator algebras*

61. Lie algebra Conference, Changshu, Chian (Aug. 10-16)
    Plenary talk: *W-algebras and vertex operator algebras*

62. The Forth International Congress of Chinese Mathematicians
    (Dec. 17-Dec. 22, 2007), Hangzhou, China
    Invited talk (45 minutes): *The moonshine vertex operator algebra*

63. Workshop on Quantum affine Lie algebras, extended affine Lie algebras, and applications (March 3-7, 2008), Banff, Canada
    Invited talk (45 Minutes): *Rational vertex operator algebras are finitely generated*

64. International conference on vertex operator algebras and related topics (July 7-11, 2008), Normal, Illinois
    Invited talk (1 hour): Rational vertex operator algebras with central charges 1.

65. Special Session of the American Mathematical Society and Chinese Mathematical Society joint meeting (Dec.17-21, 2008),Shanghai, China
    30-min talk: *Rational vertex operator algebras are finitely generated*

66. Workshop on Lie theory (Dec. 25, 2008), Xiamen, China
    1 hour talk: *Holomorphic vertex operator algebras with small central charges*

67. Lie Theory Workshop (May 2-3, 2009), University of Southern California
    1 hour talk: *Generators of vertex operator algebras*

68. International Workshop on algebraic groups, quantum groups and related topics, Beijing University, China (July 18-22, 2009)
    1 hour talk: *On the uniqueness of the moonshine vertex operator algebra*

69. Workshop on Lie theory and representation theory, East China Normal University, China (July 20-22, 2009)
    1 hour talk: C_2-*cofinite vertex operator algebras*

70. International conference on cohomology and representation theories, Zhejiang University, China (July 20-22, 2009)
    1 hour talk: *Classification of rational vertex operator algebras with central charge 1*

71. Lie theory workshop, Huzhou Normal University, China (Dec. 25-26, 2009)
    1 hour talk: *A characterization of vertex operator algebra $L(1/2, 0) \otimes L(1/2, 0)$.*

72. International Mathematics Forum, Chengdu, China (August 9-12, 2010) Plenary talk: *Quantum dimensions and quantum Galois theory*

73. Lie theory workshop, Changshu Institute Science and Technology (August 19, 2010)
    Half hour talk: *Automorphisms and derivations of vertex operator algebras*

74. Workshop on vertex operator algebras, finite groups and combinatorics, Kyoto University (Dec. 13-17,2010)
    One hour talk: *Quantum dimensions and quantum Galois theory*

75. Workshop on Lie theory, Changshu Institute Science and Technology (July 19. 2011)
    Half hour talk: *Regularity and C_2-cofiniteness*

76. Workshop on representation theory, Sichuan University (August 21, 2011)
    Half hour talk: *On classification of rational vertex operator algebras with $c = 1$*

77. Symposium on Conformal Field Theory, Automorphic Forms and Related Topic, Heidelberg, Germany (Sept. 19-23, 2011)
   One hour talk: *Regularity of vertex operator algebras*

78. Conference on Vertex Operator Algebras, Finite groups and Related topics, Taipei (Dec. 18-22, 2011)
   One hour talk: *Classification of rational vertex operator algebras with $c = 1$*

79. Conference on Finite Groups and Vertex Operator Algebras, Tokyo (Feb. 17-18, 2012)
   One hour talk: *Mirror extensions of vertex operator algebras*

80. The XXIX International Colloquium on Group-Theoretical Methods in Physics, Tianjing (Aug. 20-26, 2012)
   Half hour talk: *The trace functions of rational vertex operator algebras are modular*

81. Conference on Groups, VOAs and Related Structures in Honor of Masahiko Miyamoto, Tokyo (September 10 - 14, 2012)
   One hour talk: *Modularity of trace functions*

82. The Third International Symposium on Groups, Algebras and related topics in Beijing, celebrating the 50th anniversary of the Journal of Algera, Beijing (June 10-16, 2013)
   45 minute talk: *Quantum dimensions and quantum Galois theory*

83. The 6th International Conference on Representation Theory, Zhangjiajie, China (June 18-23,2013)
   One hour talk: *Modular invariance of rational vertex operator algebras*

84. RIMS camp-style seminar, Beyond the Moonshine, Sendai, Japan (July 8-12, 2013)
   One hour talk: *Vertex operator algebras associated to the Virasoro algebra over any field*

85. Workshop on Mock Modular Forms, Moonshine and String theory, Simons Center for Geometry and Physics, Stony Brook (August 26-30, 2013)
   Invited Speaker (declined)

86. Workshop on Majorana Theory, the Monster and Beyond, Imperial College (Sept. 15-21, 2013)
   Invited Speaker (declined)

87. Workshop on Lie Groups, Lie Algebras and their Representations, Stanford University (Feb. 1-2, 2014)
   Invited Speaker (declined)

88. Workshop on Finite Groups, VOA, algebraic combinatorics and related topics, Hualian, Taiwan (March 20-23, 2014)
   40 minute talk: On classification of rational vertex operator algebra with $c = 1$

89. The Twelfth Annual Spring Institute Noncommutative Geometry and Operator Algebras: Subfactors, Conformal Field Theory and Vertex Operator Algebras, Vanderbilt University (May 2-8, 2014)
   50 minute talk: On classification of rational vertex operator algebra with $c = 1$

90. Workshop on Lie Theory and Mathematical Physics, CRM, Universite de Montreal (May 19-23, 2014)
   One hour talk: Quantum dimensions

91. International Conference "Operator Algebras and Mathematical Physics," Dalian, China (June 14-17, 2014)
   50 minute talk: Representations of Parafermion vertex operator algebras

92. International Conference "Group Theory and Related Topics," Beijing, China (June 26-30, 2014)
    45 minute talk: Automorphisms of vertex operator algebras

93. Workshop on Vertex Operator Algebra, Harbin Normal University, China (Jan. 12-14, 2015)
    40 minute talk: Coset construction and Schur-Weyl duality

94. Taitung Workshop on Group, VOA and algebraic Combinatorics, Taiwan (March 7-10, 2015)
    40 minutes: Dual pairs and Schur-Weyl duality

95. Workshop on Lie Theory and Representation Theory IV, East China Normal University (July 2-4, 2015)
    Invited talk: On orbifold theory

96. International Conference "Lie Algebras, Vertex Operator Algebras, and Related Topics," Notre Dame (August 14-18, 2015)
    Plenary talk: Parafermion vertex operator algebras

97. Workshop on Operator Algebras and Mathematical Physics, Dalian (August 25-27, 2015)
    Invited talk: *Quantum dimensions and fusion rules of parafermion vertex operator algebras*

98. Workshop on Vertex algebras and Quantum Groups, Banff (Feb. 8-12, 2016)
    Invited talk: *Orbifold theory*

99. Workshop on Group, VOA and Algebraic Combinatorics, Yilan, Taiwan (March 21-25, 2016)
    Invite Talk: *Permutation orbifolds*

100. Workshop on Vertex Operator Algebra, Shanghai Normal University, China (March 26-28, 2016)
    Invite Talk: *Permutation orbifolds*

101. Workshop on Modular Lie Algebras and Vertex Operator Algebras, East China Normal University, China (April 15-17, 2016)
    Invite Talk: *Modular framed vertex operator algebras*

102. Lie Theory Workshop, Changshu, China (April 23-25, 2016)
    Invite Talk: *Modular framed vertex operator algebras*

103. Mini Conference on Representation Theory Shenzhen, China (July 8, 2016)
    Invited talk: *Modular invariance in orbifold theory*

104. Workshop on Modular Categories–Their Representations, Classification, and Applications, Banff Center, Oaxaca, Mexico (Aug. 15-19, 2016)
    Invited talk: *On orbifold theory*

105. Conference in Finite groups and vertex algebras, Taipei, Taiwan (Aug. 22-26, 2016)
    Invited talk: *Permutation orbifolds*

106. AMS meeting special session (Vertex Operator Algebras and Geometry), Denver University (Oct. 8-9, 2016)
    Invited Talk: *Modular framed vertex operator algebras*

107. Workshop on Finite Groups, Algebraic Combinatorics and Vertex Operator algebras, RIMS Kyoto University (Dec. 5-8, 2016)
    Invited Talk: *Modular invariance in rational orbifold theory*

108. Mathematical Physics and Subfactors, Sanya International Mathematics Forum (Dec. 18-23, 2016)
    Invited Talk: *Modular invariance in rational orbifold theory*

109. The Legacy of Emmy Noether and Gottingen Mathematics, Sanya International Mathematics Forum (Dec. 18-23, 2016)
Invited Talk: *Modular framed vertex operator algebras*

110. Lie Theory Workshop, Shanghai Maritime University (April 1, 2017)
Invited Talk: *Congruence subgroup property in rational orbifold theory*

111. International Conference on Lie Theory and Applications, Jinan (April 27-May 2, 2017)
Invited Talk: *Congruence subgroup property in rational orbifold theory*

112. International Conference Representation Theory XV UC, Dubrovnik, Croatia (June 18 C 25, 2017)
Invite Talk: *16-fold ways conjecture and vertex operator superalgebras*

113. Lie Theory conference, Suzhou (Aug. 6-7, 2017)
Invite Talk: 1. 16-fold ways conjecture and vertex operator superalgebras, 2. Fusion product of twisted modules for permutation orbiofolds

114. Conference on Operator Algebra and Mathematical Physics, Dalian (Sept. 14-18, 2017)
Invite Talk: *Fusion products of twisted modules in permutation orbifolds*

115. Workshop on Affine, vertex and W-algebras, INdAM, Rome, Italy (Dec. 11-15, 2017)
Invited Talk:*Hopf actions on vertex operator algebras*

116. Conference " Vertex Operator Algebras, Number Theory and Related Topics," Sacramento State University (June 11-15, 2018)
Invited Talk: *16 fold ways conjecture and vertex operator superalgebras*

117. Conference "Vertex operator algebras and symmetries," RIMS, Kyoto University (July 9-13, 2018)
Invited talk: *Hopf actions on vertex operator algebras*

118. The fifth Lie theory and representation theory workshop, East China Normal University (July 35-27, 2018)
Invited talk: *16 fold ways conjecture and vertex operator superalgebras*

119. Group theory conference, Lanzhou University (Aug. 18-20, 2018)
Invited talk: *A survey on monstrous moonshine*

120. East Asian representation theory conference (Nov. 30-Dec. 2, 2018)
Invited talk: *Orbiford theory*

Visiting Positions

1994 (Sept)	Visiting Associate Professor, Hitotsubashi University
	Japan
2000 (June-Sept)	Kan Tong Po Royal Society Visiting Professor
	Chinese University of Hong Kong
2000 (Fall)	Visiting member, The Fields Institute for Research
	in Mathematical Sciences, Canada
2001 (July-Aug)	Invitation Fellow, Japan Society for the Promotion of Science
	Osaka University, Japan
2002 (Spring)	Visiting member, Mathematical Science Research Institute
	Berkeley
2003 (March)	Visiting member, IHES
2004 (July-Aug)	Visiting Professor, Institute of Mathematics, Chinese Academy
2005 (June-July)	Visiting Professor, Institute of Mathematics, Chinese Academy
2007 (July-Aug)	Changjiang Visiting Chair Professor, Sichuan University, China
2008 (July-Aug)	Changjiang Visiting Chair Professor, Sichuan University, China
2009 (July)	Changjiang Visiting Chair Professor, Sichuan University, China
2010 (August)	Changjiang Visiting Chair Professor, Sichuan University, China
2011 (March-April)	Gehring Visiting Professor, University of Michigan
2018 (June-Sept.)	Visiting Professor, Rims, Kyoto University

Editor

1996	Moonshine, The Monster and Related Topics, Contemporary
	Math. **193**, AMS 1996.
2000-present	Algebra Colloquium, (2011-2016, Deputy Editors-in-Chief, 2017-present Chief Editor)
2009	Recent Developments in Algebra and Related Areas
	Advanced Lectures in Mathematics, **8**, 2009
2013-present	SCIENCE CHINA Mathematics

Service to Professional Journals (referee)

Algebra Colloquium
Algebra and Representation Theory
American Journal of Mathematics
Annals of Mathematics
Communication in Algebra
Communications in Mathematical Physics
Compositio Mathematica
Contemporary Mathematics
Duke Math. Journal
International Math. Research Notices
Israel Journal of Mathematics
Journal of the European Mathematical Society
Journal of Algebra
Journal of Math. Phys.
Journal of Pure and Applied Algebra
Journal of the Mathematical Society of Japan
Mathematics Review
Mathematische Zeitschrift
Memoirs, AMS
Nuclear Physics
Pacific Journal of Mathematics

Proceedings of AMS
Proceedings of the London Mathematical Society
SIGMA
Transactions of AMS

Grant reviewers

NSF
NSF Panel, 2007, 2008, 2010, 2011
NSA
NSA Panel, 2015
Natural Sciences and Engineering Research Council of Canada
National Science Foundation of China

Organizer of Professional Meeting

1994 (June)	Co-chair, AMS Summer Research Conference
	"Moonshine, the monster, and related topics,"
	Mount Holyoke College, Massachusetts
1996 (Dec)	Organizer, UC Lie theory workshop, Santa Cruz
1997 (May)	Co-chair, AMS Meeting 992, Special Session
	"VOAs, Monstrous moonshine and related topics,"
	Wayne State University, Michigan
1998 (April)	Organizer, UC Lie Theory Workshop, Santa Cruz
1998 (July)	Member, Scientific Committee
	The International Conference on Representation Theory
	East China Normal University
1999 (April)	Organizer, UC Lie Theory Workshop, Santa Cruz
1999 (Oct.)	Member, Scientific Committee
	National Conference on Algebra VII
	Beijing Normal University, China
2000 (April)	Organizer, UC Lie Theory Workshop, Santa Cruz
2001 (April)	Organizer, UC Lie Theory Workshop, Santa Cruz
2001 (June)	Organizer, Workshop on Lie Algebras and Related Topics,
	Morningside Center, China
2002 (April)	Organizer, UC Lie theory workshop, Santa Cruz
2003 (April)	Organizer, UC Lie theory workshop, Santa Cruz
2003 (Aug.)	Organizer, Lie algebra conference, Xiamen, China
2003 (Oct.)	Organizer, AMS Meeting 990, Special Session
	Lie Algebras, Conformal Field Theory, and Related Topics
	Binghamton, NY
2004 (July)	Organizer, Lie Theory Conference, Beijing, China
2004 (July-Aug.)	Member of Scientific Committee, The Third International
	Representation Theory Conference, Chengdu, China
2004 (Nov.)	Organizer, Workshop on vertex operator algebras
	Osaka, Japan
2005 (July)	Organizer, Lie algebra conference, Harbin, China
2007 (July)	Member of Scientific Committee, The Fourth International
	Representation Theory Conference, Lhasa, China
2007 (Aug.)	Chair of Scientific Committee, International Conference on
	Algebras and Related areas, Beijing, China
2010 (Summer)	Member of Advisor Committee QFT, String Theory &
	Mathemtical Physics Program,
	Kavli Institute for Theoretical Physics, Beijing.
2010 (Dec.)	Organizer, Workshop on vertex operator algebras, finite groups
	and combinatorics, Kyoto, Japan
2011 (Dec.)	Organizer, Conference on Vertex Operator Algebras, Finite groups
	and Related topics, Taipei
2013 (June)	Member of Scientific Committee, The 6th International Conference
	on Representation Theory, Zhangjiajie, China
2013 (July)	Organizer, The Lie Algebra Conference, Chengdu, China
2014 (Feb)	Organizer, Vertex Operator Algebra workshop, Beijing, China
2014 (July)	Organizer, The Lie Theory Workshop, Chengdu, China
2015 (Jan.)	Organizer, Vertex Operator Algebra workshop, Harbin, China
2015 (Sept.)	Organizer, International Conference on Vertex Operator Algebras
	and Related Topics, Chengdu, China
2016 (May)	Organizer, Workshop on Lie Theory and Representation Theory, Chengdu, China
2016 (July)	Member of Scientific Committee, The 7th International Conference
	on Representation Theory, Xiamen, China
2018 (April-Dec.)	Organizer, RIMS Research Project 2018, Vertex Operator Algebra and Symmetries

TEACHING

Postdoctor
    2002   Tashiyuki Abe
    2008   Lu Ding
    2010   Jiayuan Fu, Wei Jiang, Bin Xin, Hengyun Yang

Ph.D Student (past)
    2001   Gail Yamskulna (Associate Professor, Department of Mathematics
               Illinois State University)
    2003   Geoffrey Buhl (Tenure Track Assistant Professor, Department of Mathematics
               California State University, Channel Islands)
    2006   Leif Jordan (Lecture, Department of Mathematics, Fresno State University)
    2007   Zhongping Zhao(Analyst, Kaiser Insurance)
    2008   Wei Zhang (Assistant Professor with tenure, Beijing University of Science and
               Technology, China)
    2011   Min Xue (Analyst, Citi Bank)
    2011   Jiazhi Han (Exchanged Ph.D. student from China, Tenure track Assistant Professor,
               Tongji University)
    2013   Xiangyu Jiao (Tenured Associate Professor, East China Normal University
               China)
               Nina Yu (Tenure track Assistant Professor, Xiamen University)
    2017   Liuyi Zhang (Assistant Professor Henan University of Science and Technology, China)

Master Students
    1993   David Bond

Ph.D Students (current)
    2011   Liuyi Zhang (Ph.D. candidate)
    2012   Danquynh Nguyen (Ph.D. candidate)
    2015   Yiyi Zhu, Charles Petersen

Independent Study Students
    1992   One undergraduate and six graduate students
    1994   Advised three undergraduate students to do senior thesis
    1995   Three undergraduate students
    1996   One undergraduate student
    1997   Two undergraduate and six graduate students
    1998   One undergraduate and two graduate students
    1999   Two graduate students
    2000   Three graduate students
    2001   One undergraduate student
    2002   Three undergraduate students and three graduate students
    2003   Two undergraduate students and two graduate students
    2007   One graduate student
    2008   Two undergraduate students.

Extra Teaching

1999 (S)	Seminar course for graduate students
2001 (W)	Teach a homework section (weekly for 1 hour) for Math 201 (there was no TA for this class)
2001 (F)	Teach a homework section (weekly for 1.3 hours) for Math 200 (there was no TA for this class)
2002 (F)	Teach a homework section (weekly for 1 hour) for Math 225 (there was no TA for this class)
2003 (S)	Teach homework sections (weekly for 1.5 hours) for Math 202 and Math 226B (there were no TAs for both classes)
2005 (S)	Teach homework sections (weekly for 1 hour) for Math 202.
2006 (S)	Teach homework sections (weekly for 1.5 hour) for Math 220A.
2010 (W)	Teach homework sections (weekly for 1.5hour) for Math 201.

Seminar Organizer

1994 (F)	Vertex Operator Algebra Seminar
1996 (F)	Conformal Field Theory Seminar
1999 (W)	Algebra Seminar
2001 (F)	Mathematical Physics Seminar
2002 (F)	Vertex Operator Algebra Seminar
2003 (Summer)	Vertex Operator Algebra Seminar
2003 (F)	Vertex Operator Algebra Seminar
2005 (F)	Vertex Operator Algebra Seminar
2008 (F)	Vertex Operator Algebra Seminar
2009 (W,S, F)	Vertex Operator Algebra Seminar
2010 (W, S, F)	Vertex Operator Algebra Seminar
2011 (W, F)	Vertex Operator Algebra Seminar
2015 (F)	Vertex Operator Algebra Seminar
2016 (W)	Vertex Operator Algebra Seminar

Member of Oral Committees and Thesis Defense Committee(Graduate Students)

1992-1994	Yves Martin, Julia Glass, Nancy Allen (Mathematics)
1995	Christopher Goff (Mathematics)
1997	Rong Li (Physics)
1998	Dan Lawson (Mathematics)
1999	Gail Yamskulna (Mathematics)
2000	Geoffrey Buhl (Mathematics), Jose Renteria (Computer Science)
2003	Zhongping Zhao (Mathematics), Zheng Sun (physics), Erik Kramer (physics)
2004	Leif Jordan, Wei Zhang (Mathematics) Dan Kong (Computer Engineering)
2005	Abraham Berman, James Bass (Mathematics)
2006	Jennifer Mogel, Glesser Adem (Mathematics)
2007	Christopher Marks, Zhongping Zhao (Mathematics) Feng Tang, Qi Zhao (Computer Science)
2008	Maisch Filix, Jennifer Mogel, Wei Zhang (Mathematics)
2009	Min Xue, Christopher Marks (Mathematics)
2010	Weitao Wu (Physics) Xiangyu Jiao, Kayden Krauel, Nina Yu (Mathematics)
2011	Rob Laber (Mathematics)
2013	Liuyi Zhang (Mathematics)
2016	Danquynh Nguyen (Mathematics)