

## CURRICULUM VITAE

Shigfumi Mori

May, 2014

**Born:** February 23, 1951, Nagoya, Japan

### Education:

- 1973 B.A., Kyoto University, Japan
- 1975 M.A., Kyoto University, Japan
- 1978 Dr. Sci., Kyoto University, Japan

### Positions:

- 1975 Assistant, Kyoto University
- 1977-80 Assistant Professor, Harvard University
- 1980 Lecturer, Nagoya University
- 1981-82 Visiting Member, I.A.S., Princeton
- 1982 Associate Professor, Nagoya University
- 1985-87 Visiting Professor, Columbia University
- 1988 Professor, Nagoya University
- 1990-Present Professor, RIMS, Kyoto University
- 1991-92 Visiting Professor, University of Utah
- 2011-Present Director, RIMS, Kyoto University

### Selected Awards, Honours and Distinctions:

- 1983 Iyanaga Prize, the Mathematical Society of Japan
- 1983 Invited Speaker ICM at Warsaw, Poland
- 1984 Chunichi Cultural Prize
- 1988 Autumn Prize, the Mathematical Society of Japan (with Y. Kawamata)
- 1989 Inoue Prize for Science
- 1990 Frank Nelson Cole Prize, American Mathematical Society
- 1990 Japan Academy Prize (with S. Iitaka and Y. Kawamata)
- 1990 Invited Plenary Speaker, ICM at Kyoto, Japan
- 1990 Fields Prize, ICM at Kyoto, Japan
- 1990 Person of Cultural Merits, Japanese Government
- 1992 Foreign Honorary Member, American Academy of Arts and Sciences
- 1999 Member, the Japan Academy
- 2002 Laurea Honoris Causa, University of Torino
- 2004 Fujihara Award
- 2010 University Professor, Nagoya University

### Research Interests:

Algebraic Geometry, especially birational classification and the birational geometry of algebraic varieties.

**Selected Editorship and Services:**

- 1988-Present Associate editor, Journal of Differential Geometry
- 1990-Present Editor, Publication of RIMS Kyoto University
- 1994-Present Associate editor, Nagoya Mathematical Journal
- 1995-1998 Member, Executive Committee of IMU
- 1996-1998 Member, General Committee of ICSU
- 1999-2002 Vice president of IMU
- 1999-Present Editor, Proceedings of the Japan Academy
- 2004-2013 Member, Advisory Board of Academia Sinica, Taipei
- 2010-Present Member, Math. Review Editorial Committee
- 2011-Present Member, Advisory Board of KIAS
- 2012-Present Member, International Advisory Board of AIMR, Tohoku Univ.

**Selected Publications:**

- [1] *Projective manifolds with ample tangent bundles*, Ann. Math. 110 (1979) 593–606.
- [2] *Threefolds whose canonical bundles are not numerically effective*, Ann. Math. 116 (1982) 133–176.
- [3] *Flip theorem and the existence of minimal models for 3-folds*, Journal of the AMS 1 (1988) 117–253.
- [4] (with J. Kollár) *Classification of three dimensional flips*, Journal of the AMS 5 (1992) 533–703; Erratum 20 (2007) 269–271.
- [5] (with S. Keel) *Quotients by groupoids*, Ann. of Math. 145 (1997) 193–213.
- [6] (with J. Kollár) *Birational Geometry of Algebraic Varieties*, Cambridge Tracts in Math., 134 (1998).
- [7] (with O. Fujino) *A canonical bundle formula*, J. Diff. Geom. 56 (2000) 167–188.
- [8] (with Y. Prokhorov) *On  $Q$ -conic bundles*, Publ. Res. Inst. Math. Sci., 44 (2008) 315–369.
- [9] (with Y. Prokhorov) *Threefold Extremal Contractions of Types (IC) and (IIB)*, Proceedings of the Edinburgh Mathematical Society (Series 2), Vol. 57, Issue 01, (2014) 231–252.

**Brief Statement for IMU activities:**

I am willing, if elected, to serve IMU as President together with the new EC and the new Secretariat in Berlin.

I understand that IMU is expected now to show more presence in the developing world than the days I served for IMU before. I am happy to cooperate as an Asian with the mathematics communities in the developing world.