

Curriculum Vitae

Masaaki HIRAMATSU, Ph.D.

Assistant Professor / Education & Public Outreach Officer,
Chile Observatory, National Astronomical Observatory of Japan,
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Education:

The University of Tokyo, Ph.D. in Astronomy, March 2008

Thesis: *Chameleonic Star Formation – A Millimeter/submillimeter Study of
Chamaeleon Molecular Cloud*

Adviser: Prof. Tetsuo Hasegawa and Sachiko K. Okumura

(National Astronomical Observatory of Japan)

The University of Tokyo, M.S. in Astronomy, March 2005

The University of Tokyo, B.A. in Astronomy, March 2003

Research Experience:

Assistant Professor,

Chile Observatory, National Astronomical Observatory of Japan 2012 - present

Assistant Professor,

Department of Astronomical Science, SOKENDAI 2012 - present

Assistant Professor,

ALMA Project Office, National Astronomical Observatory of Japan 2011 - 2012

ALMA Regional Center Astronomer,

Institute of Astronomy & Astrophysics, Academia Sinica 2010 - 2011

Postdoctoral Fellow,

Institute of Astronomy & Astrophysics, Academia Sinica 2008 - 2011

Research Assistant,

National Astronomical Observatory of Japan 2005 - 2008

Observing Experience:

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| Atacama Submillimeter Telescope Experiment (ASTE) | ~ 70 days |
| Nobeyama 45m Telescope | 25 days |
| Submillimeter Array | 2 nights |
| Submillimeter Telescope, Arizona Radio Observatory | 4 nights |

Skills:

Languages: Japanese (native), English
Programming: IDL, Java, Fortran, HTML

Refereed Publications:

- Hiramatsu, M., Hirano, N., and Takakuwa, S. 2010, *Outflow-Core Interaction in Barnard 1*, ApJ, 712, 778
- Hiramatsu, M., Hayakawa, T., Tatematsu, K., Kamegai, K., Onishi, T., Mizuno, A., Yamaguchi, N., and Hasegawa, T. 2007, *ASTE Submillimeter Observations of a Young Stellar Object Condensation in Cederblad 110*, ApJ, 664, 964
- Koo, B.-C., McKee, C. F., Suh, K.-W., Moon, D.-S., Onaka, T., Burton, M. G., Hiramatsu, M., Bessell, M. S., Gaensler, B. M., Kim, H.-J., Lee, J.-J., Jeong, W.-S., Lee, H.-G., Im, M., Tatematsu, K., Kohno, K., Kawabe, R., Ezawa, H., Wilson, G., Yun, M. S., Hughes, D. H. 2011, *IRAS 15099-5856: Remarkable Mid-infrared Source with Prominent Crystalline Silicate Emission Embedded in the Supernova Remnant MSH15-52*, ApJ, 732, 6
- Shimajiri, Y., Kawabe, R., Takakuwa, S., Saito, M., Tsukagoshi, T., Momose, M., Ikeda, N., Akiyama, E., Austermann, J. E., Ezawa, H., Fukue, K., Hiramatsu, M., Hughes, D., Kitamura, Y., Kohno, K., Kurono, Y., Scott, K. S., Wilson, G., Ysohida, A., and Yun, M. S. 2011, *New Panoramic View of ^{12}CO and 1.1 mm Continuum Emission in the Orion A Molecular Cloud. I. Survey Overview and Possible External Triggers of Star Formation*, PASJ, 63, 105
- Tsukagoshi, T., Saito M., Kitamura Y., Momose, M., Shimajiri Y., Hiramatsu, M., Ikeda N., Kamegai K., Wilson G. W., Yun M. S., Hughes D. H., Ezawa H., Kohno K., and Kawabe R. 2011 *Detection of Strong Millimeter Emission from the Circumstellar Dust Disk around V1094 SCO: Cold and Massive Disk around a T Tauri star in a Quiescent Accretion Phase?* ApJ, 726, 45
- Handa, T., Sakano, M., Naito, S., Hiramatsu, M., and Tsuboi, M. 2006, *Thermal SiO and H^{13}CO^+ Line Observations of the Dense Molecular Cloud G0.11-0.11 in the Galactic Center Region*, ApJ, 636, 261

Presentations in International Conferences:

[Oral Presentations]

- Hiramatsu, M., Ohashi, N., Chen, H. R., Shimajiri, Y., Kawabe, R. and Momose, M. *SMA Survey of the Low Luminosity YSOs in Perseus*, “The Origins of Stellar Masses”, Tenerife, Spain, 2010 October
- Hiramatsu, M., AzTEC/ASTE K1 project, AzTEC/ASTE collaboration, *AzTEC/ASTE AzTEC on ASTE: 1.1 mm Survey toward Cha-I and Cha-II, and spectral line follow up*, “Interstellar Matter and Star Formation in the Southern Sky”, Helsinki, Finland, 2008 August
- Hiramatsu, M., AzTEC/ASTE K1 project, AzTEC/ASTE collaboration, *AzTEC/ASTE Wide-Field Imaging of Southern Star Forming Regions at $\lambda = 1.1$ mm*, “The 4th Japan-Taiwan ALMA Science Meeting”, Mito, Japan, 2008 April
- Hiramatsu M., Hayakawa, T., Tatematsu, K., Hasegawa, T., Onishi, T., Mizuno, A. and ASTE team, *Outflow - Core Interaction in Chamaeleon Star Forming Region*, “East-Asian Molecular Cloud Workshop”, Tokyo, Japan, 2006 February

[Poster Presentations]

- Hiramatsu, M., Hirano N., Takakuwa S., and Hasegawa T., *Outflow-Core Interaction in Barnard 1*, “Millimeter and Submillimeter Astronomy at High Angular Resolution”, Taipei, Taiwan, 2009 June
- Hiramatsu, M., AzTEC/ASTE K1 project, AzTEC/ASTE collaboration, *AzTEC/ASTE AzTEC/ASTE Wide-Field Imaging of Southern Star Forming Regions at $\lambda = 1.1$ mm*, “The Early Phase of Star Formation 2008”, Castle Ringberg, Germany, 2008 July
- Hiramatsu, M., Kamegai, K. Hayakawa, T., Tatematsu, Hasegawa, T., K., Onishi, T., Mizuno, A., and ASTE team, *ASTE Submillimeter Observations of a YSO Condensation in Cederblad 110*, “The 3rd Japan-Taiwan ALMA Science Meeting”, Chung-Li, Taiwan, 2007 April
- Hiramatsu, M., Kamegai, K. Hayakawa, T., Tatematsu, Hasegawa, T., K., Onishi, T., Mizuno, A., and ASTE team, *ASTE Submillimeter Observations of a YSO Condensation in Cederblad 110*, IAU Symposium 237 “Triggered Star Formation in a Turbulent ISM”, Prague, Czech Republic, 2006 August
- Hiramatsu M., Hayakawa, T., Tatematsu, K., Hasegawa, T., Onishi, T., Mizuno, A. and ASTE team, *ASTE Submillimeter Observations of YSO-Close-Packed Region Cederblad 110*, “Submillimeter Astronomy in the era of the SMA”, Boston, USA, 2005 June

Public Outreach Experience:

- Education and Public Outreach Officer, NAOJ ALMA 2011 - present
- Co-founder, the TENPLA project 2003 - present
- Student Staff, Regular Star Party at NAOJ Mitaka campus 2001 - 2008
(Student Staff in Chief, 2004 – 2006)
- Assistant, Science Liveshow “UNIVERSE”, Science Museum, Tokyo 2001 - 2008

Presentations in Conferences on Public Outreach:

- Hiramatsu M., *Communicating ALMA with the Public in Japan*, “IAU General Assembly 2012 Special Session 14, Communicating Astronomy with the Public for Scientists”, Beijing, China, 2012 Aug.
- Hiramatsu M., Kamegai K., Takanashi N., and Tsukada K., *Popularization of Astronomy under Cooperation between Students and Educators in Japan: the TENPLA project (1)*, “IAU General Assembly 2006 Special Session 2, Innovation of Teaching/Learning Astronomy Methods”, Prague, Czech Republic, 2006 Aug.
- Hiramatsu M., Takanashi N., & The TENPLA Project, *The TENPLA Project -Popularization of Astronomy under Cooperation between Students and Museums*, “The 9th Asian-Pacific Regional IAU Meeting 2005”, Bali, Indonesia, 2005, Jul.