

Curriculum Vitae

Eric Y. Hsiao

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General Information

University address: Department of Physics
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Professional Preparation

2009 Ph.D., University of Victoria. Major: Physics and Astronomy. Supervisor: Christopher Pritchett.

Hsiao, Y. E. (2009). *Spectroscopic diversity of Type Ia supernovae*.
Unpublished doctoral dissertation, University of Victoria.

2004 B.S., University of Victoria. Major: Physics and Astronomy.

2002 B.A.S., University of Toronto. Major: Electrical Engineering.

Professional Experience

2015–present Assistant Professor, Department of Physics, Florida State University.

2014–2015 Postdoctoral Researcher, Department of Physics and Astronomy, Aarhus University.

2011–2014 Postdoctoral Researcher, Las Campanas Observatory, Carnegie Institution for Science.

2009–2011 Postdoctoral Scholar, Physics Division, Lawrence Berkeley National Laboratory.

2000–2001 Electrical Engineer, Inventec Corporation.

Language Proficiency

Chinese - native in speaking, reading, and writing.

English - native in speaking, reading, and writing.

Honors, Awards, and Prizes

Postgraduate Scholarship, National Sciences and Engineering Research Council of Canada (2007).

President's Research Scholarship, University of Victoria (2007).

R. M. Petrie Memorial Fellowship, University of Victoria (2007).

University of Victoria Fellowship, University of Victoria (2006).

Howard Petch Research Scholarship, University of Victoria (2005).

Postgraduate Scholarship, National Sciences and Engineering Research Council of Canada (2004).

President's Research Scholarship, University of Victoria (2004).

President's Scholarship, University of Victoria (2003).

Current Membership in Professional Organizations

American Astronomical Society

Teaching

Courses Taught

Honors Work (PHY4970)

Planets, Stars, and Galaxies (AST1002)

Honors (AST1002L)

Planets, Stars, and Galaxies Laboratory (AST1002L)

Doctoral Committee Chair

Davis, S., doctoral student.

Shahbandeh, M., doctoral student.

Doctoral Committee Member

Abromeit, B., doctoral candidate.

Supervision of Student Research Not Related to Thesis or Dissertation

Sweeney, A. (Sep 2015–present).

Research and Original Creative Work

Publications

Refereed Journal Articles

- Holoien, T. W.-S., Stanek, K. Z., Kochanek, C. S., Shappee, B. J., Prieto, J. L., Brimacombe, J., Bersier, D., Bishop, D. W., Dong, S., Brown, J. S., Danilet, A. B., Simonian, G. V., Basu, U., Beacom, J. F., Falco, E., Pojmanski, G., Skowron, D. M., Woźniak, P. R., Ávila, C. G., Conseil, E., Contreras, C., Cruz, I., Fernández, J. M., Koff, R. A., Guo, Z., Herczeg, G. J., Hissong, J., Hsiao, E. Y., Jose, J., Kiyota, S., Long, F., Monard, L. A. G., Nicholls, B., Nicolas, J., & Wiethoff, W. S. (2017). The ASAS-SN bright supernova catalogue - I. 2013-2014. *\mnras*, *464*, 2672-2686. doi:10.1093/mnras/stw2273
- Lau, R. M., Kasliwal, M. M., Bond, H. E., Smith, N., Fox, O. D., Carlon, R., Cody, A. M., Contreras, C., Dykhoff, D., Gehrz, R., Hsiao, E., Jencson, J., Khan, R., Masci, F., Monard, L. A. G., Monson, A. J., Morrell, N., Phillips, M., & Ressler, M. E. (2016). Rising from the Ashes: Mid-infrared Re-brightening of the Impostor SN 2010da in NGC 300. *\apj*, *830*, 142. doi:10.3847/0004-637X/830/2/142
- Shappee, B. J., Piro, A. L., Holoien, T. W.-S., Prieto, J. L., Contreras, C., Itagaki, K., Burns, C. R., Kochanek, C. S., Stanek, K. Z., Alper, E., Basu, U., Beacom, J. F., Bersier, D., Brimacombe, J., Conseil, E., Danilet, A. B., Dong, S., Falco, E., Grupe, D., Hsiao, E. Y., Kiyota, S., Morrell, N., Nicolas, J., Phillips, M. M., Pojmanski, G., Simonian, G., Stritzinger, M., Szczygieł, D. M., Taddia, F., Thompson, T. A., Thorstensen, J., Wagner, M. R., & Woźniak, P. R. (2016). The Young and Bright Type Ia Supernova ASASSN-14lp: Discovery, Early-time Observations, First-light Time, Distance to NGC 4666, and Progenitor Constraints. *\apj*, *826*, 144. doi:10.3847/0004-637X/826/2/144
- Cao, Y., Johansson, J., Nugent, P. E., Goobar, A., Nordin, J., Kulkarni, S. R., Cenko, S. B., Fox, O. D., Kasliwal, M. M., Fremling, C., Amanullah, R., Hsiao, E. Y., Perley, D. A., Bue, B. D., Masci, F. J., Lee, W. H., & Chotard, N. (2016). Absence of Fast-moving Iron in an Intermediate Type Ia Supernova between Normal and Super-Chandrasekhar. *\apj*, *823*,

147. doi:10.3847/0004-637X/823/2/147

- Tomasella, L., Cappellaro, E., Benetti, S., Pastorello, A., Hsiao, E. Y., Sand, D. J., Stritzinger, M., Valenti, S., McCully, C., Arcavi, I., Elias-Rosa, N., Harmanen, J., Harutyunyan, A., Hosseinzadeh, G., Howell, D. A., Kankare, E., Morales-Garoffolo, A., Taddia, F., Tartaglia, L., Terreran, G., & Turatto, M. (2016). Optical and near-infrared observations of SN 2014ck: an outlier among the Type Iax supernovae. *\mnras*, *459*, 1018-1038. doi: 10.1093/mnras/stw696
- Sand, D. J., Hsiao, E. Y., Banerjee, D. P. K., Marion, G. H., Diamond, T. R., Joshi, V., Parrent, J. T., Phillips, M. M., Stritzinger, M. D., & Venkataraman, V. (2016). Post-maximum Near-infrared Spectra of SN 2014J: A Search for Interaction Signatures. *\apjl*, *822*, L16. doi: 10.3847/2041-8205/822/1/L16
- Drout, M. R., Milisavljevic, D., Parrent, J., Margutti, R., Kamble, A., Soderberg, A. M., Challis, P., Chornock, R., Fong, W., Frank, S., Gehrels, N., Graham, M. L., Hsiao, E., Itagaki, K., Kasliwal, M., Kirshner, R. P., Macomb, D., Marion, G. H., Norris, J., & Phillips, M. M. (2016). The Double-peaked SN 2013ge: A Type Ib/c SN with an Asymmetric Mass Ejection or an Extended Progenitor Envelope. *\apj*, *821*, 57. doi:10.3847/0004-637X/821/1/57
- Marion, G. H., Brown, P. J., Vinkó, J., Silverman, J. M., Sand, D. J., Challis, P., Kirshner, R. P., Wheeler, J. C., Berlind, P., Brown, W. R., Calkins, M. L., Camacho, Y., Dhungana, G., Foley, R. J., Friedman, A. S., Graham, M. L., Howell, D. A., Hsiao, E. Y., Irwin, J. M., Jha, S. W., Kehoe, R., Macri, L. M., Maeda, K., Mandel, K., McCully, C., Pandya, V., Rines, K. J., Wilhelmly, S., & Zheng, W. (2016). SN~2012cg: Evidence for Interaction Between a Normal Type Ia Supernova and a Non-degenerate Binary Companion. *\apj*, *820*, 92. doi:10.3847/0004-637X/820/2/92
- Fox, O. D., Johansson, J., Kasliwal, M., Andrews, J., Bally, J., Bond, H. E., Boyer, M. L., Gehrz, R. D., Helou, G., Hsiao, E. Y., Masci, F. J., Parthasarathy, M., Smith, N., Tinyanont, S., & Van Dyk, S. D. (2016). An Excess of Mid-infrared Emission from the Type Iax SN 2014dt. *\apjl*, *816*, L13. doi:10.3847/2041-8205/816/1/L13
- Baron, E., Hoefflich, P., Friesen, B., Sullivan, M., Hsiao, E., Ellis, R. S., Gal-Yam, A., Howell, D. A., Nugent, P. E., Dominguez, I., Krisciunas, K., Phillips, M. M., Suntzeff, N., Wang, L., & Thomas, R. C. (2015). Spectral models for early time SN 2011fe observations. *\mnras*, *454*, 2549-2556. doi:10.1093/mnras/stv1951
- de Jaeger, T., González-Gaitán, S., Anderson, J. P., Galbany, L., Hamuy, M., Phillips, M. M., Stritzinger, M. D., Gutiérrez, C. P., Bolt, L., Burns, C. R., Campillay, A., Castellón, S., Contreras, C., Folatelli, G., Freedman, W. L., Hsiao, E. Y., Krisciunas, K., Krzeminski, W., Kuncarayakti, H., Morrell, N., Olivares E, F., Persson, S. E., & Suntzeff, N. (2015). A Hubble Diagram from Type II Supernovae Based Solely on Photometry: The Photometric

Color Method. *apj*, 815, 121. doi:10.1088/0004-637X/815/2/121

- Leloudas, G., Patat, F., Maund, J. R., Hsiao, E., Malesani, D., Schulze, S., Contreras, C., de Ugarte Postigo, A., Sollerman, J., Stritzinger, M. D., Taddia, F., Wheeler, J. C., & Gorosabel, J. (2015). Polarimetry of the Superluminous Supernova LSQ14mo: No Evidence for Significant Deviations from Spherical Symmetry. *apjl*, 815, L10. doi: 10.1088/2041-8205/815/1/L10
- Amanullah, R., Johansson, J., Goobar, A., Ferretti, R., Papadogiannakis, S., Petrushevskaya, T., Brown, P. J., Cao, Y., Contreras, C., Dahle, H., Elias-Rosa, N., Fynbo, J. P. U., Gorosabel, J., Guaita, L., Hangard, L., Howell, D. A., Hsiao, E. Y., Kankare, E., Kasliwal, M., Leloudas, G., Lundqvist, P., Mattila, S., Nugent, P., Phillips, M. M., Sandberg, A., Stanishev, V., Sullivan, M., Taddia, F., Östlin, G., Asadi, S., Herrero-Illana, R., Jensen, J. J., Karhunen, K., Lazarevic, S., Varenus, E., Santos, P., Sridhar, S. S., Wallström, S. H. J., & Wiegert, J. (2015). Diversity in extinction laws of Type Ia supernovae measured between 0.2 and 2 μm . *mnras*, 453, 3300-3328. doi:10.1093/mnras/stv1505
- Kuncarayakti, H., Maeda, K., Bersten, M. C., Folatelli, G., Morrell, N., Hsiao, E. Y., González-Gaitán, S., Anderson, J. P., Hamuy, M., de Jaeger, T., Gutiérrez, C. P., & Kawabata, K. S. (2015). Nebular phase observations of the Type-Ib supernova iPTF13bvn favour a binary progenitor. *aap*, 579, A95. doi:10.1051/0004-6361/201425604
- Smartt, S. J., Valenti, S., Fraser, M., Inserra, C., Young, D. R., Sullivan, M., Pastorello, A., Benetti, S., Gal-Yam, A., Knapic, C., Molinaro, M., Smareglia, R., Smith, K. W., Taubenberger, S., Yaron, O., Anderson, J. P., Ashall, C., Balland, C., Baltay, C., Barbarino, C., Bauer, F. E., Baumont, S., Bersier, D., Blagorodnova, N., Bongard, S., Botticella, M. T., Bufano, F., Bulla, M., Cappellaro, E., Campbell, H., Cellier-Holzem, F., Chen, T.-W., Childress, M. J., Clocchiatti, A., Contreras, C., Dall'Orta, M., Danziger, J., de Jaeger, T., De Cia, A., Della Valle, M., Dennefeld, M., Elias-Rosa, N., Elman, N., Feindt, U., Fleury, M., Gall, E., Gonzalez-Gaitan, S., Galbany, L., Morales Garoffolo, A., Greggio, L., Guillou, L. L., Hachinger, S., Hadjiyska, E., Hage, P. E., et al. (2015). PESSTO: survey description and products from the first data release by the Public ESO Spectroscopic Survey of Transient Objects. *aap*, 579, A40. doi: 10.1051/0004-6361/201425237
- Walker, E. S., Baltay, C., Campillay, A., Citrenbaum, C., Contreras, C., Ellman, N., Feindt, U., González, C., Graham, M. L., Hadjiyska, E., Hsiao, E. Y., Krisciunas, K., McKinnon, R., Ment, K., Morrell, N., Nugent, P., Phillips, M. M., Rabinowitz, D., Rostami, S., Serón, J., Stritzinger, M., Sullivan, M., & Tucker, B. E. (2015). First Results from the La Silla-QUEST Supernova Survey and the Carnegie Supernova Project. *apjs*, 219, 13. doi: 10.1088/0067-0049/219/1/13
- Hsiao, E. Y., Burns, C. R., Contreras, C., Höflich, P., Sand, D., Marion, G. H., Phillips, M. M., Stritzinger, M., González-Gaitán, S., Mason, R. E., Folatelli, G., Parent, E., Gall, C.,

- Amanullah, R., Anupama, G. C., Arcavi, I., Banerjee, D. P. K., Beletsky, Y., Blanc, G. A., Bloom, J. S., Brown, P. J., Campillay, A., Cao, Y., De Cia, A., Diamond, T., Freedman, W. L., Gonzalez, C., Goobar, A., Holmbo, S., Howell, D. A., Johansson, J., Kasliwal, M. M., Kirshner, R. P., Krisciunas, K., Kulkarni, S. R., Maguire, K., Milne, P. A., Morrell, N., Nugent, P. E., Ofek, E. O., Osip, D., Palunas, P., Perley, D. A., Persson, S. E., Piro, A. L., Rabus, M., Roth, M., Schiefelbein, J. M., Srivastav, S., Sullivan, M., Suntzeff, N. B., Surace, J., Woźniak, P. R., & Yaron, O. (2015). Strong near-infrared carbon in the Type Ia supernova iPTF13ebh. *aap*, 578, A9. doi:10.1051/0004-6361/201425297
- Marino, S., González-Gaitán, S., Förster, F., Folatelli, G., Hamuy, M., & Hsiao, E. (2015). Searching for Light Echoes Due to Circumstellar Matter in SNe Ia Spectra. *apj*, 806, 134. doi:10.1088/0004-637X/806/1/134
- Barth, A. J., Bennert, V. N., Canalizo, G., Filippenko, A. V., Gates, E. L., Greene, J. E., Li, W., Malkan, M. A., Pancoast, A., Sand, D. J., Stern, D., Treu, T., Woo, J.-H., Assef, R. J., Bae, H.-J., Brewer, B. J., Cenko, S. B., Clubb, K. I., Cooper, M. C., Diamond-Stanic, A. M., Hiner, K. D., Hönig, S. F., Hsiao, E., Kandrashoff, M. T., Lazarova, M. S., Nierenberg, A. M., Rex, J., Silverman, J. M., Tollerud, E. J., & Walsh, J. L. (2015). The Lick AGN Monitoring Project 2011: Spectroscopic Campaign and Emission-line Light Curves. *apjs*, 217, 26. doi:10.1088/0067-0049/217/2/26
- Valenti, S., Sand, D., Stritzinger, M., Howell, D. A., Arcavi, I., McCully, C., Childress, M. J., Hsiao, E. Y., Contreras, C., Morrell, N., Phillips, M. M., Gromadzki, M., Kirshner, R. P., & Marion, G. H. (2015). Supernova 2013by: a Type IIL supernova with a IIP-like light-curve drop. *mnras*, 448, 2608-2616. doi:10.1093/mnras/stv208
- Fox, O. D., Silverman, J. M., Filippenko, A. V., Mauerhan, J., Becker, J., Borish, H. J., Cenko, S. B., Clubb, K. I., Graham, M., Hsiao, E., Kelly, P. L., Lee, W. H., Marion, G. H., Milisavljevic, D., Parrent, J., Shivvers, I., Skrutskie, M., Smith, N., Wilson, J., & Zheng, W. (2015). On the nature of Type II_n/Ia-CSM supernovae: optical and near-infrared spectra of SN 2012ca and SN 2013dn. *mnras*, 447, 772-785. doi:10.1093/mnras/stu2435
- Leloudas, G., Hsiao, E. Y., Johansson, J., Maeda, K., Moriya, T. J., Nordin, J., Petrushevskaya, T., Silverman, J. M., Sollerman, J., Stritzinger, M. D., Taddia, F., & Xu, D. (2015). Supernova spectra below strong circumstellar interaction. *aap*, 574, A61. doi:10.1051/0004-6361/201322035
- Marion, G. H., Sand, D. J., Hsiao, E. Y., Banerjee, D. P. K., Valenti, S., Stritzinger, M. D., Vinkó, J., Joshi, V., Venkataraman, V., Ashok, N. M., Amanullah, R., Binzel, R. P., Bochanski, J. J., Bryngelson, G. L., Burns, C. R., Drozdov, D., Fieber-Beyer, S. K., Graham, M. L., Howell, D. A., Johansson, J., Kirshner, R. P., Milne, P. A., Parrent, J., Silverman, J. M., Vervack, Jr., R. J., & Wheeler, J. C. (2015). Early Observations and Analysis of the Type Ia SN 2014J in M82. *apj*, 798, 39. doi:10.1088/0004-637X/798/1/39

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- Stritzinger, M. D., Valenti, S., Hoeflich, P., Baron, E., Phillips, M. M., Taddia, F., Foley, R. J., Hsiao, E. Y., Jha, S. W., McCully, C., Pandya, V., Simon, J. D., Benetti, S., Brown, P. J., Burns, C. R., Campillay, A., Contreras, C., Förster, F., Holmbo, S., Marion, G. H., Morrell, N., & Pignata, G. (2015). Comprehensive observations of the bright and energetic Type Iax SN 2012Z: Interpretation as a Chandrasekhar mass white dwarf explosion. *aap*, 573, A2. doi:10.1051/0004-6361/201424168
- Morokuma, T., Tominaga, N., Tanaka, M., Mori, K., Matsumoto, E., Kikuchi, Y., Shibata, T., Sako, S., Aoki, T., Doi, M., Kobayashi, N., Maehara, H., Matsunaga, N., Mito, H., Miyata, T., Nakada, Y., Soyano, T., Tarusawa, K., Miyazaki, S., Nakata, F., Okada, N., Sarugaku, Y., Richmond, M. W., Akitaya, H., Aldering, G., Arimatsu, K., Contreras, C., Horiuchi, T., Hsiao, E. Y., Itoh, R., Iwata, I., Kawabata, K. S., Kawai, N., Kitagawa, Y., Kokubo, M., Kuroda, D., Mazzali, P., Misawa, T., Moritani, Y., Morrell, N., Okamoto, R., Pavlyuk, N., Phillips, M. M., Pian, E., Sahu, D., Saito, Y., Sano, K., Stritzinger, M. D., Tachibana, Y., Taddia, F., Takaki, K., Tateuchi, K., Tomita, A., Tsvetkov, D., Ui, T., Ukita, N., Urata, Y., Walker, E. S., & Yoshii, T. (2014). Kiso Supernova Survey (KISS): Survey strategy. *pasj*, 66, 114. doi:10.1093/pasj/psu105
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Burns, C. R., Stritzinger, M., Phillips, M. M., Hsiao, E. Y., Contreras, C., Persson, S. E., Folatelli, G., Boldt, L., Campillay, A., Castellón, S., Freedman, W. L., Madore, B. F., Morrell, N., Salgado, F., & Suntzeff, N. B. (2014). The Carnegie Supernova Project: Intrinsic Colors of Type Ia Supernovae. *\apj*, 789, 32. doi:10.1088/0004-637X/789/1/32

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Presentations

Refereed Papers at Conferences

Hsiao, E. Y., Suzuki, N., Ripoche, P., Aldering, G., Faccioli, L., Huang, X., Perlmutter, S., Spadafora, A. L., Strovink, M., Lidman, C., Dawson, K. S., Bergeron, L. E., Deustua, S., Fruchter, A. S., Barbary, K., Fakhouri, H. K., Meyers, J., & Rubin, D. (accepted). *The Detection and Removal of Large-scale Detector Background Structures in NICMOS Observations*. Paper to be presented at The 2010 STScI Calibration Workshop, Space Telescope Science Institute, Space Telescope Science Institute. (International)

Refereed Presentations at Conferences

Hsiao, E. Y. (presented 2016, September). *Improving Type Ia supernova cosmology*. Presentation at 10th East-Asia Meeting on Astronomy (EAMA), Seoul National University, Seoul, South Korea. (International)

Hsiao, E. Y. (presented 2016, January). *Near-infrared spectroscopy of Type Ia supernovae*. Presentation at American Astronomical Society 227th Meeting, American Astronomical Society, Kissimmee, FL, USA. (International)

Hsiao, E. Y. (presented 2015, June). *Near-infrared spectroscopy of Type Ia supernovae*. Presentation at European Week of Astronomy and Space Science, European Astronomical Society, La Laguna, Tenerife, Spain. (International)

Hsiao, E. Y. (presented 2012, January). *GNIRS spectra of SN 2011fe*. Presentation at American Astronomical Society 219th Meeting, American Astronomical Society, Austin, TX, USA. (International)

Hsiao, E. Y. (presented 2011, June). *Ultraviolet Type Ia supernova spectral feature as a progenitor metallicity indicator*. Presentation at Supernovae and their Host Galaxies Conference, Australian Astronomical Observatory, Sydney, Australia. (International)

Refereed Presentations at Symposia

Hsiao, E. Y. (presented 2008, December). Spectroscopic diversity of Type Ia supernovae in the near infrared. In *24th Texas Symposium on Relativistic Astrophysics*. Presentation at the meeting of University of British Columbia, Vancouver, BC, Canada. (International)

Invited Workshops

Hsiao, E. Y. (2015, August). *Carnegie SN Ia Progenitor Workshop*. Workshop delivered at Carnegie Observatories, Pasadena, CA, USA. (International)

Nonrefereed Workshops

Hsiao, E. Y. (2014, June). *Carnegie Supernova Project Meeting*. Workshop delivered at Florida State University, St George Island, FL, USA. (International)

Hsiao, E. Y. (2014, June). *iPTF/ZTF Workshop*. Workshop delivered at Oskar Klein Centre for Cosmoparticle Physics, Stockholm, Sweden. (International)

Hsiao, E. Y. (2013, October). *Carnegie Supernova Project Meeting*. Workshop delivered at Mitchell Institute for Fundamental Physics and Astronomy, Cook's Branch Conservancy, TX, USA. (International)

Hsiao, E. Y. (2013, August). *iPTF Workshop*. Workshop delivered at California Institute of

Technology, Pasadena, CA, USA. (International)

Hsiao, E. Y. (2013, June). *UK-Chile Workshop on Supernova Progenitors*. Workshop delivered at University of Oxford, Oxford, UK. (International)

Hsiao, E. Y. (2012, December). *Supernova Workshop at IPMU*. Workshop delivered at Kavli Institute for the Physics and Mathematics of the Universe, Tokyo, Japan. (International)

Hsiao, E. Y. (2012, October). *Carnegie Supernova Project Meeting*. Workshop delivered at Carnegie Observatories, Pasadena, CA, USA. (International)

Hsiao, E. Y. (2012, April). *Calan Supernova Workshop*. Workshop delivered at University of Chile, Cerro Calan, Santiago, Chile. (Local)

Hsiao, E. Y. (2012, January). *Millennium Center for Supernova Science Workshop*. Workshop delivered at Las Campanas Observatory, La Herradura, Chile. (International)

Hsiao, E. Y. (2011, July). *Supernova Cosmology Project Meeting*. Workshop delivered at Lawrence Berkeley National Laboratory, Berkeley, CA, USA. (International)

Hsiao, E. Y. (2007, August). *Carnegie Supernova Project Meeting*. Workshop delivered at Carnegie Observatories, Pasadena, CA. (International)

Hsiao, E. Y. (2006, May). *Supernova Legacy Survey Meeting*. Workshop delivered at Institut National de Physique Nucléaire et de Physique des Particules, Paris, France. (International)

Hsiao, E. Y. (2005, November). *Supernova Legacy Survey Meeting*. Workshop delivered at University of Toronto, Toronto, ON, Canada. (International)

Hsiao, E. Y. (2005, October). *Supernova Legacy Survey Meeting*. Workshop delivered at Canada-France-Hawaii Telescope, Waimea, HI, USA. (International)

Invited Lectures and Readings of Original Work

Hsiao, E. Y. (2016, November). *Discovering our place in the Universe*. Delivered at Chipola College, Marianna, FL. (Local)

Hsiao, E. Y. (2016, October). *Discovering our place in the Universe*. Delivered at Taipei American School, Taipei, Taiwan. (Local)

Hsiao, E. Y. (2016, July). *Topics on astronomy*. Delivered at Quarknet Workshop, Florida State University, Tallahassee, FL, USA. (Local)

- Hsiao, E. Y. (2016, March). *Astronomical observations in the infrared*. Delivered at Department of Scientific Computing, Florida State University, Tallahassee, FL, USA. (Local)
- Hsiao, E. Y. (2015, September). *Observational properties of Type Ia supernovae*. Delivered at Department of Physics, Florida State University, Tallahassee, FL, USA. (Local)
- Hsiao, E. Y. (2014, October). *Carnegie Supernova Project*. Delivered at Stellar Astrophysics Centre, Aarhus University, Aarhus, Denmark. (Local)
- Hsiao, E. Y. (2011, May). *Type Ia supernovae and their progenitors*. Delivered at Graduate Institute of Astronomy, National Central University, Taoyuan, Taiwan. (Local)
- Hsiao, E. Y. (2010, January). *Spectroscopic diversity of Type Ia supernovae*. Delivered at Graduate Institute of Astronomy, National Central University, Taoyuan, Taiwan. (Local)
- Hsiao, E. Y. (2008, December). *Spectroscopic diversity of Type Ia supernovae in the near infrared*. Delivered at Institute for Nuclear and Particle Astrophysics, Lawrence Berkeley National Laboratory, Berkeley, CA, USA. (Local)

Information and Communication Technology

Internet Web Site Development

- Hsiao, E. Y. (2012). *Carnegie Supernova Project II*. Retrieved from Las Campanas Observatory: <http://csp2.lco.cl>

Contracts and Grants

Resource Grant

- Gonzalez-Gaitan, S., Hsiao, E., Kuncarayakti, H., Galbany, L., Anderson, J., Forster, F., & Moreno-Raya, M. (2017, February–July). A grant of 1 night Magellan Telescope time. *The first near-infrared spectroscopic study of high-redshift ($z > 0.5$) type Ia supernova host galaxies*. Sponsored by Chilean Time Allocation Committee.
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Science.

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- Thomas, R., Nugent, P. E., Baron, E., Kasen, D., Sullivan, M., Hsiao, E., & Phillips, M. (2012, October–2013, September). A grant of 14 orbits of Hubble Space Telescope time. *Late Time STIS Spectroscopy of the Extremely Nearby Type Ia SN 2011fe*. Sponsored by Space Telescope Science Institute.
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- Anderson, J., Hamuy, M., Phillips, M., Morrell, N., Stritzinger, M., Hsiao, E., & Campillay, A. (2012, February–July). A grant of 6 nights at Las Campanas Observatory. *CSP Type II supernovae host galaxy imaging; template subtraction for supernova light-curves*. Sponsored by Chilean National Telescope Allocation Committee.
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Other Significant Products

Hsiao, E. Y. (2010). *Model images of large-scale structures in Hubble Space Telescope Near Infrared Camera and Multi-Object Spectrometer*.

Hsiao, E. Y. (2007–2009). *Spectrophotometric templates of Type Ia supernovae*.

Service

Florida State University

FSU Department Service

Member, Technical Personnel Committee (2015–present).

The Profession

Guest Reviewer for Refereed Journals

The Astrophysical Journal (2013–present).

Reviewer for Textbooks

Understanding Our Universe, Palen et al., Third Edition, W. W. Norton (2016).

The Community

Guest Lecturer, School of Arts and Sciences Center (2016–present).