

CONTACT INFORMATION	Department of Physics Florida State University 77 Chieftan Way Tallahassee, FL, 32306	phone +1 5102008230 e-mail ehsiao@fsu.edu
PERSONAL DATA	Place of birth: Taipei, Taiwan Date of birth: May 21, 1979 Citizenships: Canada, Taiwan	
RESEARCH INTERESTS	Spectroscopic diversities of supernovae Near-infrared spectroscopy of supernovae Cosmology with Type Ia supernovae	
EDUCATION	Doctor of Philosophy Physics and Astronomy, University of Victoria Thesis: Spectroscopic diversities of Type Ia supernovae Supervisor: Prof. Christopher J. Pritchett Bachelor of Science with distinction Physics and Astronomy, University of Victoria Discipline: Combined Honours in Physics and Astronomy Bachelor of Applied Science Electrical and Computer Engineering, University of Toronto Discipline: Electrical Engineering	2004-2009 2002-2004 1997-2002
AWARDS	National Sciences and Engineering Research Council of Canada Postgraduate Scholarship (Doctoral) Postgraduate Scholarship (Master's) Undergraduate Student Research Award University of Victoria R. M. Petrie Memorial Fellowship President's Research Scholarship University of Victoria Fellowship Howard Petch Research Scholarship President's Research Scholarship President's Scholarship	 2007-2009 2004-2006 2003 2007-2009 2007-2009 2006-2007 2005-2006 2004-2006 2003-2004
LANGUAGES	Perfectly bilingual in English and Mandarin Chinese, working knowledge in Spanish.	
COMPUTER KNOWLEDGE	IDL, Fortran, IRAF, L ^A T _E X, PHP, HTML, CSS	

PROFESSIONAL EXPERIENCE	<p>Assistant Professor, Florida State University 2015-present</p> <p>Postdoctoral Researcher, Aarhus University 2014-2015</p> <p>Carnegie Supernova Project II</p> <p>Postdoctoral Researcher, Carnegie Observatories 2011-2014</p> <p>Carnegie Supernova Project II</p> <p>Postdoctoral Scholar, Lawrence Berkeley National Laboratory 2009-2011</p> <p>Supernova Cosmology Project Nearby Supernova Factory Palomar Transient Factory</p> <p>Research Graduate, University of Victoria 2004-2009</p> <p>Supernova Legacy Survey Plaskett Spectroscopic Supernova Survey Laboratory Instructor</p> <p>Electrical Engineer, Inventec Corporation 2000, 2001</p> <p>Research and Development</p>
REFERENCES	<p>Dr. Mark M. Phillips Interim Director of Las Campanas Observatory Observatories of the Carnegie Institution for Science Casilla 601, La Serena, Chile email: mmp@lco.cl phone: +56 51 207313</p> <p>Prof. Peter E. Nugent Adjunct Professor of Astronomy/Senior Staff Scientist Lawrence Berkeley National Laboratory MS 50F-1650, 1 Cyclotron Road, Berkeley, CA, 94720, USA email: penugent@lbl.gov phone: +1 510 486 6942</p> <p>Prof. Maximilian Stritzinger Associate Professor Department of Physics and Astronomy, Aarhus University Ny Munkegade 120, 8000 Aarhus C, Denmark email: max@phys.au.dk phone: +45 8715 6619</p> <p>Prof. David Sand Assistant Professor Texas Tech University, Physics Department Box 41051, Lubbock, TX, 79409, USA email: david.sand@ttu.edu phone: +1 806 834 2264</p>

Summary: 74 refereed articles, 4300+ citations, h-index = 30

First Results from the La Silla-QUEST Supernova Survey and the Carnegie Supernova Project

Walker et al. 2015, The Astrophysical Journal Supplement Series, Volume 219, 13

Nebular phase observations of the Type-Ib supernova iPTF13bvn favour a binary progenitor

Kuncarayakti et al. 2015, Astronomy & Astrophysics, Volume 579, 95

PESSTO: survey description and products from the first data release by the Public ESO Spectroscopic Survey of Transient Objects

Smartt et al. 2015, Astronomy & Astrophysics, 579, 40

Searching for Light Echoes Due to Circumstellar Matter in SNe Ia Spectra

Marino et al. 2015, The Astrophysical Journal, Volume 806, 134

Strong near-infrared carbon in the Type Ia supernova iPTF13ebh

Hsiao et al. 2015, Astronomy & Astrophysics, Volume 578, 9

Supernova 2013by: a Type IIL supernova with a IIP-like light-curve drop

Valenti et al. 2015, Monthly Notices of the Royal Astronomical Society, Volume 448, 2608

The Lick AGN Monitoring Project 2011: Spectroscopic Campaign and Emission-line Light Curves

Barth et al. 2015, The Astrophysical Journal Supplement Series, Volume 217, 26

On the Nature of Type Ia-CSM Supernovae: Optical and Near-Infrared Spectra of SN 2012ca and SN 2013dn

Fox et al. 2015, Monthly Notices of the Royal Astronomical Society, 447, 772

Supernova spectra below strong circumstellar interaction

Leloudas et al. 2015, Astronomy & Astrophysics, Volume 574, 61

The Broad-Lined Type Ic SN 2012ap and the Nature of Relativistic Supernovae Lacking a Gamma-ray Burst Detection

Milisavljevic et al. 2015, The Astrophysical Journal, Volume 799, 51

Early Observations and Analysis of the Type Ia SN 2014J in M82

Marion et al. 2014, The Astrophysical Journal, Volume 798, 39

Comprehensive Observations of the Bright and Energetic Type Iax SN 2012Z: Interpretation as a Chandrasekhar Mass White Dwarf Explosion

Stritzinger et al. 2014, Astronomy & Astrophysics, Volume 573, 2

Kiso Supernova Survey (KISS): Survey Strategy

Morokuma et al. 2014, Publications of the Astronomical Society of Japan, Volume 66, 11

Early ultraviolet emission in the Type Ia supernova LSQ12gdj: No evidence for ongoing shock interaction

Scalzo et al. 2014, Monthly Notices of the Royal Astronomical Society, Volume 445, 30

Defining Photometric Peculiar Type Ia Supernovae

González-Gaitán et al. 2014, The Astrophysical Journal, Volume 795, 142

Extensive HST ultraviolet spectra and multiwavelength observations of SN 2014J in M82 indicate reddening and circumstellar scattering by typical dust
Foley et al. 2014, Monthly Notices of the Royal Astronomical Society, Volume 443, 2887

Discovery of Dramatic Optical Variability in SDSS J1100+4421: A Peculiar Radio-loud Narrow-line Seyfert 1 Galaxy?
Tanaka et al. 2014, The Astrophysical Journal Letters, Volume 793, 26

Multi-epoch high-spectral-resolution observations of neutral sodium in 14 Type Ia supernovae
Sternberg et al. 2014, Monthly Notices of the Royal Astronomical Society, Volume 443, 1849

The Carnegie Supernova Project: Intrinsic Colors of Type Ia Supernovae
Burns et al. 2014, The Astrophysical Journal, Volume 789, 32

The Man behind the Curtain: X-Rays Drive the UV through NIR Variability in the 2013 Active Galactic Nucleus Outburst in NGC 2617
Shappee et al. 2014, The Astrophysical Journal, Volume 788, 48
20 citations

The Type IIP Supernova 2012aw in M95: Hydrodynamical Modeling of the Photospheric Phase from Accurate Spectrophotometric Monitoring
Dall’Ora et al. 2014, The Astrophysical Journal, Volume 787, 139

Lensed Type Ia supernovae as probes of cluster mass models
Nordin et al. 2014, Monthly Notices of the Royal Astronomical Society, Volume 440, 2742

Light Echoes from η Carinae’s Great Eruption: Spectrophotometric Evolution and the Rapid Formation of Nitrogen-rich Molecules
Prieto et al. 2014, The Astrophysical Journal Letters, Volume 787, 8

Hubble Space Telescope and Ground-based Observations of the Type Iax Supernovae SN 2005hk and SN 2008A
McCully et al. 2014, The Astrophysical Journal, Volume 786, 134

Characterizing the V-band Light-curves of Hydrogen-rich Type II Supernovae
Anderson et al. 2014, The Astrophysical Journal, Volume 786, 67

Near-Infrared K Corrections of Type Ia Supernovae and their Errors
Boldt et al. 2014, Publications of the Astronomical Society of the Pacific, Volume 126, 324

SN 2011hs: a fast and faint Type IIb supernova from a supergiant progenitor
Bufano et al. 2014, Monthly Notices of the Royal Astronomical Society, Volume 439, 1807

Near-IR Studies of Recurrent Nova V745 Scorpii during its 2014 Outburst
Banerjee et al. 2014, The Astrophysical Journal, Volume 785, 11

The host galaxies of Type Ia supernovae discovered by the Palomar Transient Factory
Pan et al. 2014, Monthly Notices of the Royal Astronomical Society, Volume 438, 1391

A Panchromatic View of the Restless SN 2009ip Reveals the Explosive Ejection of a Massive Star Envelope

Margutti et al. 2014, *The Astrophysical Journal*, Volume 780, 21

36 citations

Optical and Near-IR Observations of the Faint and Fast 2008ha-like Supernova 2010ae

Stritzinger et al. 2014, *Astronomy & Astrophysics*, Volume 561, 146

On the Source of the Dust Extinction in Type Ia Supernovae and the Discovery of Anomalously Strong Na I Absorption

Phillips et al. 2013, *The Astrophysical Journal*, Volume 779, 38

23 citations

The Very Young Type Ia Supernova 2013dy: Discovery, and Strong Carbon Absorption in Early-time Spectra

Zheng et al. 2013, *The Astrophysical Journal Letters*, Volume 778, 15

High-velocity Line Forming Regions in the Type Ia Supernova 2009ig

Marion et al. 2013, *The Astrophysical Journal*, Volume 777, 40

Spectroscopy of Type Ia Supernovae by the Carnegie Supernova Project

Folatelli et al. 2013, *The Astrophysical Journal*, Volume 773, 53

SN 2012au: A Golden Link between Superluminous Supernovae and Their Lower-luminosity Counterparts

Milisavljevic et al. 2013, *The Astrophysical Journal*, Volume 770, 38

Host Galaxy Properties and Hubble Residuals of Type Ia Supernovae from the Nearby Supernova Factory

Childress et al. 2013, *The Astrophysical Journal*, Volume 770, 108

20 citations

Host Galaxies of Type Ia Supernovae from the Nearby Supernova Factory

Childress et al. 2013, *The Astrophysical Journal*, Volume 770, 107

Spectroscopic Observations of SN 2012fr: A Luminous, Normal Type Ia Supernova with Early High-velocity Features and a Late Velocity Plateau

Childress et al. 2013, *The Astrophysical Journal*, Volume 770, 29

Spectrophotometric time series of SN 2011fe from the Nearby Supernova Factory

Pereira et al. 2013, *Astronomy & Astrophysics*, Volume 554, 27

29 citations

The Earliest Near-infrared Time-series Spectroscopy of a Type Ia Supernova Hsiao et al. 2013, *The Astrophysical Journal*, Volume 766, 72

21 citations

Precision Measurement of The Most Distant Spectroscopically Confirmed Supernova Ia with the Hubble Space Telescope

Rubin et al. 2013, *The Astrophysical Journal*, Volume 763, 35

Fixing the U-band Photometry of Type Ia Supernovae

Krisciunas et al. 2013, The Astrophysical Journal, Volume 145, 11

Atmospheric extinction properties above Mauna Kea from the Nearby Supernova Factory spectro-photometric data set

Buton et al. 2013, Astronomy & Astrophysics, Volume 549, 8

22 citations

Hubble Space Telescope studies of low-redshift Type Ia supernovae: evolution with redshift and ultraviolet spectral trends

Maguire et al. 2013, Monthly Notices of the Royal Astronomical Society, Volume 426, 2359

40 citations

Near-infrared observations of Type Ia supernovae: the best known standard candle for cosmology

Barone-Nugent et al. 2012, Monthly Notices of the Royal Astronomical Society, Volume 425, 1007

24 citations

A Search for New Candidate Super-Chandrasekhar-mass Type Ia Supernovae in the Nearby Supernova Factory Data Set

Scalzo et al. 2012, The Astrophysical Journal, Volume 757, 12

23 citations

PTF 11kx: A Type Ia Supernova with a Symbiotic Nova Progenitor

Dilday et al. 2012, Science, Volume 337, 942

102 citations

The First Maximum-light Ultraviolet through Near-infrared Spectrum of a Type Ia Supernova

Foley et al. 2012, The Astrophysical Journal, Volume 753, 5

21 citations

Constraining Type Ia Supernova Models: SN 2011fe as a Test Case

Röpke et al. 2012, The Astrophysical Journal Letters, Volume 750, 19

58 citations

The Hubble Space Telescope Cluster Supernova Survey. III. Correlated Properties of Type Ia Supernovae and Their Hosts at $0.9 < z < 1.46$

Meyers et al. 2012, The Astrophysical Journal, Volume 750, 1

The Hubble Space Telescope Cluster Supernova Survey. V. Improving the Dark-energy Constraints above $z > 1$ and Building an Early-type-hosted Supernova Sample

Suzuki et al. 2012, The Astrophysical Journal, Volume 746, 85

458 citations

The Hubble Space Telescope Cluster Supernova Survey. II. The Type Ia Supernova Rate in High-redshift Galaxy Clusters

Barbary et al. 2012, The Astrophysical Journal, Volume 745, 32

33 citations

The Hubble Space Telescope Cluster Supernova Survey. VI. The Volumetric Type Ia Supernova Rate

Barbary et al. 2012, The Astrophysical Journal, Volume 745, 31

The Lick AGN Monitoring Project 2011: Reverberation Mapping of Markarian 50

Barth et al. 2011, The Astrophysical Journal Letters, Volume 743, 4
25 citations

Type Ia Supernova Carbon Footprints

Thomas et al. 2011, The Astrophysical Journal, Volume 743, 27
32 citations

The Most Slowly Declining Type Ia Supernova 2001ay

Krisciunas et al. 2011, The Astronomical Journal, Volume 142, 74

SNLS3: Constraints on Dark Energy Combining the Supernova Legacy Survey Three-year Data with Other Probes

Sullivan et al. 2011, The Astrophysical Journal, Volume 737, 102
210 citations

Keck Observations of the Young Metal-poor Host Galaxy of the Super-Chandrasekhar-mass Type Ia Supernova SN 2007if

Childress et al. 2011, The Astrophysical Journal, Volume 733, 3

Broad-line Reverberation in the Kepler-field Seyfert Galaxy Zw 229-015

Barth et al. 2011, The Astrophysical Journal, Volume 732, 121
27 citations

The reddening law of type Ia supernovae: separating intrinsic variability from dust using equivalent widths

Chotard et al. 2011, Astronomy & Astrophysics, Volume 529, 4
53 citations

Supernova Constraints and Systematic Uncertainties from the First Three Years of the Supernova Legacy Survey

Conley et al. 2011, The Astrophysical Journal Supplement, Volume 192, 1
271 citations

Rapidly Decaying Supernova 2010X: A Candidate “.Ia” Explosion

Kasliwal et al. 2010, The Astrophysical Journal, Volume 723, 98
48 citations

The Supernova Legacy Survey 3-year sample: Type Ia supernovae photometric distances and cosmological constraints

Guy et al. 2010, Astronomy & Astrophysics, Volume 523, 7
158 citations

The dependence of Type Ia Supernovae luminosities on their host galaxies

Sullivan et al. 2010, Monthly Notices of the Royal Astronomical Society, Volume 406, 782
152 citations

The Type Ia Supernova Rate in Radio and Infrared Galaxies from the Canada-France-Hawaii Telescope Supernova Legacy Survey

Graham et al. 2010, The Astronomical Journal, Volume 139, 594

The Carnegie Supernova Project: First Near-Infrared Hubble Diagram to $z \sim 0.7$

Freedman et al. 2009, *The Astrophysical Journal*, Volume 704, 1036

62 citations

The Effect of Progenitor Age and Metallicity on Luminosity and ^{56}Ni Yield in Type Ia Supernovae

Howell et al. 2009, *The Astrophysical Journal*, Volume 691, 661

91 citations

SiFTO: An Empirical Method for Fitting SN Ia Light Curves

Conley et al. 2008, *The Astrophysical Journal*, Volume 681, 482

106 citations

Type Ia Supernovae Rates and Galaxy Clustering from the CFHT Supernova Legacy Survey

Graham et al. 2008, *The Astronomical Journal*, Volume 135, 1343

26 citations

K-Corrections and Spectral Templates of Type Ia Supernovae

Hsiao et al. 2007, *The Astrophysical Journal*, Volume 663, 1187

120 citations

The type Ia supernova SNLS-03D3bb from a super-Chandrasekhar-mass white dwarf star

Howell et al. 2006, *Nature*, Volume 443, 308

229 citations

ASTRONOMICAL
CIRCULARS

Approximately 200 discovery and classification circulars of supernovae were posted.