Curriculum Vitae

CONTACT INFORMATION

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EDUCATION

• Ph. D.	Astrophysics	University of Cambridge, U.K.	1996 - 2000
• B.S.	Astrophysics	UCLA	1990 - 1994
• B.S.	Mathematics	UCLA	1990 - 1994

CERTIFICATIONS

• Leadership & Management	MIT Sloan School	2014

AWARDS & RECOGNITION

- 2015 Breakthrough Prize in Fundamental Physics (shared) — 2015
- Gruber Cosmology Prize: discovery of cosmic acceleration (aka dark energy) — 2007
  co-authorship on discovery paper, later awarded 2011 Nobel prize in physics
- Chandra (NASA) postdoctoral prize fellowship — 2002 - 2005
- Sigma Xi Honor Society (MIT Chapter) — 1997 - 1999
- Isaac Newton Scholarship (Cambridge University) — 1997 - 1999
- Overseas Research Scholarship (ORS) and Cambridge Trust Bursary — 1997 - 1999

EMPLOYMENT

- Executive Vice Provost for Strategic Initiatives, UTEC Peru (concurrent) — 2016 - xx
- Executive Director for Education and Research, Harvard SEAS (concurrent) — 2014 - 2021
- Professor, Harvard University Dept. of Astronomy — 2005 - 2014
- Chandra/NASA postdoctoral prize fellow (Host institutions: MIT & Harvard) — 2002 - 2005
- Postdoctoral research associate, MIT — 2000 - 2002
- Staff Research Associate, Lawrence Berkeley National Laboratory — 1994 - 1996
  Institute for Nuclear & Particle Physics
- Research Assistant, UCLA Department of Physics & Astronomy — 1992 -1994

SELECT PROFESSIONAL ACTIVITIES

- Executive Committee (peer-elected nationally) — 2009 - 2011
  American Astronomical Society High Energy Astrophysics Division
- NASA & European Space Agency Science Advisory Committees — 2010 - 2013
- NASA Satellite User Committees — 2003 - 2007
- Review committee for national & international prize fellowships — 2007 - xx
- Proposal review committees for astrophysics and atomic physics — 2001 - xx
- Peer review for professional journals — 2000 - xx
- Science Organizing Committees

SELECT INTERNATIONAL COMMITTEES	• Fulbright Commission– educational reform in universities in South America	2018
	• Co-led inaugural (international) effort to create an organization to elevate and support women – a collaboration with the UN (https://theidealsociety.org/)	2017
	• Royal Academy of Engineering Committee on University Education *Committee members: leadership from 17 key institutions over 5 continents*	2016 - 18
	• Lead for a new global university-industry collaborative degree program in innovation centered on Sustainable Development Goals	2016 - xx
	• New satellite missions (NASA and European Space Agency)	2005 - xx

SELECT HARVARD SERVICE & COMMITTEES	• Masters in Design Engineering (joint engineering & design program) Core faculty tasked with curricular design & teaching; project exam committees	2017 - xx
	• Standing Committee on Women (Faculty of Arts & Sciences)	2010 - 14
	• Graduate Admissions Committee (Dept. of Astronomy)	2006 - 08
	• Ph.D. thesis committees & defense, including chair	2005 - xx
	• Undergraduate prize fellowship selection committees	2005 - xx
	• Research mentorship: undergraduates, graduates, postdocs	2005 - xx
	• Teaching: undergraduates, graduates, postdocs	2005 - xx
	• Undergraduate Advising (for concentration & general)	2005 - xx

SELECT KEYNOTES & INVITED REVIEWS	• DEIB Keynote: United Nations Development Programme Regional Conference "A Global View of the Leaky Pipeline: Conjectures for Intervention"	2021
	• University Keynote: Universidad Tecnológica Metropolitana, Mexico – 20 year Celebration: "The Future of Education & Research"	2019
	• Education Keynote: Polytechnic Summit	2018
	• Research Keynote: The OCPA8 Intl Conference on Physics Education & Frontier Physics (Singapore)	2014
	• 9 Invited Topical Reviews on 3 different topics in US, Europe, Asia	
INVITED COLLOQUIA	• 30+ Universities and National Laboratories worldwide, in US, Europe and Asia	

RESEARCH INTERESTS AS RELEVANT TO PUBLICATIONS	• Atomic and condensed matter physics as relevant to X-ray emitting plasma
	• Black holes and neutron stars
	• Interstellar and intergalactic medium
	• Dark energy
PUBLICATIONS	• 70+ peer-reviewed publications on 6 distinct astrophysics specializations including one new subfield based in condensed matter developed by self
	• 30+ conference proceedings and press releases
	• *See http://scholar.harvard.edu/jclee/publications*
CHRONOLOGICAL	• *See https://www.cfa.harvard.edu/~jclee/cv/jclpublications.pdf*
BY RESEARCH TOPIC	• *See https://www.cfa.harvard.edu/~jclee/cv/jclpub_bytopic.pdf*

SUCCESSFUL PROPOSALS

- 40+ successful PI proposals; 30 as primary, 10+ as CoI (e.g. if students/postdocs science PI)
- Success rate: 80-90% for proposals with average greater than 6:1 oversubscription

SPACE SATELLITES & TELESCOPES

- X-ray satellite time (U.S., Europe, and Japanese programs): 25+ (PI);19 (primary CoI)
- UV satellite time: 4 (PI), 3 (CoI)
- Optical telescopes (major facilities in US and Europe): 2 (PI), 1 (CoI)
- IR satellite time: 5 (CoI)
- Radio telescopes (major facilities): 4 (PI), 2 (CoI)

SYNCHROTRON FACILITIES

- SLAC Stanford Synchrotron Radiation Light Source: 358 hrs awarded as PI
- Brookhaven National Laboratory National Synchrotron Light Source: 312 hrs (PI)
- Lawrence Berkeley National Laboratory Advanced Light Source 216 hrs (PI)

ADDITIONAL INFORMATION VIA WEBSITE

See https://scholar.harvard.edu/jclee/ for details

- Research: brief summaries of research topics conducted within my group & links to relevant papers
- Notable Papers: brief summaries of significant discoveries in select papers
- Group: present positions occupied by former group members
- CV and Publications: detailed CV and publication list and links