## Marc Teng Yen Hon

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Principal Interests	Asteroseismology, Stellar Evolution, Exoplanetary Science, Machine Learning		
Research Experience	Institute for Astronomy, University of Hawai'i at Mānoa NASA Hubble Fellow, Nov 2020 - Present Unraveling the History of the Galaxy with TESS Asteroseismology Advisor: Prof. Daniel Huber		
	UNSW Sydney, New South Wales, Australia Doctor of Philosophy, Astrophysics, July 2020 Thesis: Deep Learning in Asteroseismology Advisor: Prof. Dennis Stello		
Education	University of Wollongong, New South Wales, Austra Bachelor of Science Advanced (1st Class Honours), Physics and Mathematics, December 2015 Thesis: Magnetic Vortices in Micro-magnetic Materials Advisor: Prof. Alexey Pan	alia	
Awards and Scholarships	NASA Hubble Fellowship Program UNSW Dean's Award for Outstanding PhD Theses Nvidia Developer Grant UNSW International Scholarship University of Wollongong (UoW) University Medal UoW Australian Institute of Physics Prize UoW Kittel-Lewis Prize UoW David Martin Award UoW Australian Institute of Physics Prize	2021-present 2021 2018 2016 2015 2015 2015 2015 2015	
Outreach and Presentations	<ul> <li>Global Malaysian Astronomers Convention,</li> <li>Kuala Lumpur, Malaysia (Invited)</li> <li>American Astronomical Society 241, Winter Meeting,</li> <li>Washington, Seattle</li> <li>AMNH Astro Seminar, AMNH, New York, USA (Invited)</li> </ul>	2023 2023 d) 2022	

	<ul> <li>TESS Science Talk MIT, Cambridge, USA (Invited)</li> <li>Cosmic Origins Program Seminar Series,</li> </ul>	2022 2022
	NASA Stars Science Interest Group (Invited)	
	— Science, Mathematics and Technology Seminar Series SUTD, Singapore (Invited)	2022
	— TESS Science Conference II, MIT, Cambridge, USA	2021
	(Contributed Talk)	
	— Astronomy Colloquium, Yale University,	2021
	New Haven, USA (Invited)	
	— Institute for Astronomy Colloquium,	2021
	University of Hawai'i, USA (Invited)	
	— TASC-5/KASC-12 Conference, MIT, Cambridge, USA	2019
	(Contributed Talk)	
	— TASC-4/KASC-11 Conference,	2018
	Stellar Astrophysics Center, Aarhus, Denmark (Contribute	
	— SAGE Seminar, Max Planck Institute for Solar System	*
	Research, Göttingen, Germany (Invited)	2010
	— Stars in Sydney Conference, Macquarie University,	2017
	Sydney, Australia (Contributed Talk)	2011
Teaching	Research Supervisor, Institute for Astronomy, Haw	
Experience	ASTR699 Research (1 student)	2022-present
	Research Experiences for Undergraduates (4 student	*
	Academic Lecturer, Institute for Astronomy, Hawa	
	ASTR 631 Radiative Transfer Stellar Atmospheres	2022
	Academic Tutor, School of Physics, UNSW Sydney	
	PHYS3116 – Astrophysics Tutor	2019
	PHYS3116 – Astrophysics Lecturer	2018
	Research Supervisor, School of Physics, UNSW Sy	$\mathbf{dney}$
	PhD program supervision (1 student)	2021-present
	Honours project supervision (2 students)	2018-2019
	Undergraduate research program (6 students)	2017-2019
	Lab Assistant, University of Wollongong	
	PHYS141/142 – Fundamentals of Physics	2015
	PHYS225 – Electromagnetism and Optoelectronics	2015
Professional	— Institute for Astronomy Colloquium Committee	2022-present
Membership	— Journal Referee for The Astrophysical Journal	2020-present
and Service	— Journal Referee for Monthly Notices of the Royal	2019-present
	Astronomical Society	F-000110
	— Journal Referee for Astronomy & Astrophysics	2018-present
	— Astronomical Society of Australia Member	2017-2021
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	— APOGEE-2-Kepler Asteroseismology Chemical Abundance Collaboration	and	2018-present
	TESS Asteroseismic Science Consortiu     TESS Data for Asteroseismology Core		2017-present
	— Kepler Asteroseismic Science Consort		2016-present
Proposals	— Confirming <i>Gaia</i> Binaries with Impose Separations, Keck I, <b>10h</b> , <b>PI</b>	sibly Small	2023
	— Fossil Magnetic Fields at the Surface of Peculiar Red Giants, CHFT, <b>10h</b> , <b>PI</b>	of Seismically	2022
	— Confirming the First Close-in Planet S	~	2021-2022
	Giant Star Evolution, Keck I + CHFT, 2 —TESS's Ear on The Metal-Poor Milky Cycle 5, Co-I	•	2022
	— Exploring the Planet Population Arou with TESS, TESS GI Cycle 4, Co-I	and Evolved Stars	2021
	<ul><li>The K2-HERMES follow-up program,</li><li>The HERMES-TESS program, AAT,</li></ul>	· ·	2016-2019 2016-2018
Selected Press	— "NASA's TESS Tunes into an All-sky Red Giant Stars", NASA	'Symphony' of	Aug 2021
	<ul><li>— "An all-sky red giant star symphony", EarthSky</li><li>— "Stellar pulses are transformed into a celestial</li></ul>		Aug 2021 Aug 2021
	symphony", Space.com — "How AI Can Determine the Future of Red Giants Like Aug 2 Our Sun", Nvidia Blog		e Aug 2017
	— "Scientists Are Using Artificial Intelligence to Plot th Galaxy", Inverse		May 2017
References	Daniel Huber Assistant Astronomer (faculty) Institute for Astronomy University of Hawai'i – Manoa	Email: huberd@hawaii.edu	
	Dennis Stello Associate Professor School of Physics UNSW Sydney	Email: d.stello	@unsw.edu.au
	Marc Pinsonneault Professor Department of Astronomy The Ohio State University	Email: pinsonnea	ılt.1@osu.edu