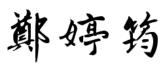
Ting-Yun CHENG (Sunny)



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Education

School of Physics and Astronomy, University of Nottingham PhD in Physics

Nottingham, United Kingdom Oct 2017 — Oct 2020

- Supervisor: Prof. Christopher J. Conselice and Prof. Alfonso Aragón-Salamanca
- Thesis: The Narrative of Galaxy Morphological Classification Told Through Machine Learning

Institute of Astronomy, National Tsing Hua University **MSc in ASTRONOMY**

Hsinchu, Taiwan Sep 2014 - Aug 2016

- Supervisor: Prof. Ing-Guey Jiang
- Thesis: Investigating Dark Matter Distribution in Early-Type Galaxies

Department of Physics, National Taiwan Normal University **BSc in PHYSICS**

Taipei, Taiwan Sep 2010 - Jun 2014

Work Experience -

Department of Physics, Durham University Postdoctoral Research Associate, Grade 7

Durham United Kingdom Nov 2020 - Now

Teaching Experience

Department of Physics, Durham University

Durham, United Kingdom *Nov* 2020 - *Now*

- Postgraduate Course Demonstrator, 2023—
 - 4-week Data Analysis workshop
 - 4-week HPC/ science computing workshop
- Laboratory Demonstrator, 2020—2022
 - · Year 1 Discovery Physics
- Supervision: 4th year/Master projects
 - S. Howie, 2023/2024
 - · G. Renton, 2023/2024
 - V. Desai, 2022/2023, Master of Physics, Class I (Honours) [Project Mark: Class I]
 - T. M. Hehir, 2022/2023, Master of Physics, Class I (Honours) [Project Mark: Class I]
 - S. M. William, 2021/2022, Master of Physics, Class I (Honours) [Project Mark: Class I]
 - A. Lowe, 2021/2022, Master of Physics, Class II Division 1 (Honours) [Project Mark: Class I]
- Supervision: UG summer projects
 - S. Bilacz, July-August 2023 (6 weeks program), Department of Physics

Nottingham, United Kingdom Oct 2017 - 2020

- Coursework Marker, 2017—2020
 - PHYS1001 (F31CO1): From Newton to Einstein
 - PHYS1004 (F31QP1): Quantitative Physics

Institute of Astronomy, National Tsing Hua University

Hsingchu, Taiwan Sep 2015 – Aug 2016

- Teaching Assistant for Summer Program in Astrophysics
 - The program included one-week lectures of General Astronomy and the tutorial of astronomical softwares, twodays observation trip at the Lulin Observatory (Taiwan), data analysis, and seminars.
- · Teaching Assistant
 - Compulsory course ASTR610000: Observational Astronomy

Department of Physics, National Tsing Hua University

Hsingchu, Taiwan Sep 2014 – Aug 2016

- Teaching Assistant
 - Optional course PHYS317000: Numerical Analysis
 - Optional course PHYS241000: General Astronomy (I)
 - Optional course PHYS242000: General Astronomy (II)

Observation Proposal

· Issac Newton Telescope/INS, Spain, August 2023, 4 nights

Dark Energy Survey Travel Gra	nτ
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 Supporting excellent early career researchers to attend DES Fall collaboration meeting (\$1600) Fermilab United States Aug 2023

Discretionary Award

 For exceptional contribution within the role as Post Doctoral Research Associate to Durham University Durham University
United Kingdom
Jul 2023

Physics Department Award for Excellence

• For contributing extensively to the health and well-being of the astronomy group.

Durham University
United Kingdom

Sep 2022

The Alan Turing Institute Post- Doctoral Enrichment Awards

• The award offer flexible funds to top researchers in data science to build on their current research and develop and grow activities. (£2000)

The Alan Turing Institute
United Kingdom

Graduate School Travel Prize

• The prize supports postgraduate students at the University of Nottingham to attend national/international conference/meeting. (£600)

University of Nottingham
United Kingdom
Sep 2019

Conference/Meeting Travel Grants

• The prize supports researchers to attend national/international conference/meeting. (£300)

Royal Astronomical Society United Kingdom Aug 2019

Kavli Student Fellow

 Stipend offers to the selected fellow of the Kavli Summer Program in Astrophysics. (Approximately \$2000) UC Santa Cruz United States Jul 2019 — Aug 2019

Vice-Chancellor's Scholarship for Research Excellence (International)

 PhD living stipend and full tuition awarded to top international applicants. (£20,700+£12,000 annually) University of Nottingham
United Kingdom
2017 – 2020

ASROC Special Award for Oral Presentation

 Awarded to an excellent postgraduate student at the Annual Meeting of the Astronomical Society in Taiwan (ASROC). Astronomical Society ROC Taiwan 2016

Academic Service

- Referee for peer-review Journals: MNRAS, ASCOM, ApJ, A&A, Phys. Rev, PASP, RASTI
- Academic Enrichment

Dark Energy Survey (DES) Organisation

- i) Co-convener of the Galaxy evolution & QSO working group (Dec 2022-)
- ii) Early Career Mentor-Mentee program (2023/2024): Mentor for undergraduate/graduate students in DES

Dark Energy Spectroscopic Instrument (DESI) Organisation

- i) DESI Education and Public Outreach (EPO) Committee (Aug 2023-)
- ii) Early Career Mentor-Mentee program (2023/2024): Mentor for undergraduate/graduate students in DESI

Astronomy and Computing (ASCOM)

- ASCOM is a peer-reviewed journal, published by Elsevier, that focuses on the broad area between astronomy, computer science, software development and information technology.
 - i) Early Career Researcher editorial board (November 2022-)
 - ii) Co-editor of a special edition: "Machine Learning Techniques in Modern Astronomy" (in preparation)

Taiwanese Young Researcher Association (TYRA)

- Project Tyra provides a platform for Taiwanese young researchers in diverse research fields to share their academic experience and develop collaborations with each other.
 - i) IT supports (April 2022–November 2023)
 - ii) Chair of weekly seminar (Oct 2022-November 2023)

Centre for Astronomy and Particle Theory, University of Nottingham

i) Organiser of weekly lunch talk at CAPT (2019–2020)

Student Union, Physics department, National Taiwan Normal University

- i) Academic activity leader (2012-2013)
- ii) Orientation event organiser (2012)
- iii) Outreach activity leader of the Physics camp for 15-18y students (2011-2012)

EDI & outreach activities

EDI Activities & volunteering

CEA/ICC/CfAI/Physics, Durham University, 2022 —

- Durham IDEA is a monthly discussion group to talk about, raise awareness, interact and share ideas about Integration, Diversity, Equity and Accessibility.
 - i) **Co-organiser** of IDEA discussion sessions:
 - Imposter Symptoms (28 February 2022)
 - ii) IDEA group members
- PhD/ECR Yearly Career Activities
 - i) Leading organiser of annually PhD/ECR career activities (Jan 2022-)
- Designer of the mental health awareness poster at Physics department (2021)

EDI panel/talks:

• Invited Panelist: "How to thrive your PhD", Alan Turing Institute, Oct 2022

Volunteering activities:

- Audio book producer, Foundation for the Blind in Taiwan, 2015 2016
- Amanuensis, Special Education Centre, National Taiwan Normal University, 2013 2014
- Care group for families of natural disaster victims, 2010 2011

Outreach Activities

Talks/lectures:

- Lecture at the Newcastle Astronomical Society (September 2023)
- Lecture at the Sunderland Astronomical Society (July 2023)
- Space Night at the Woodham Academy, Durham (November 2022)
- Regular speaker for general audience at CUNY Baruch College Forum (2022-2023)
- Regular speaker for general audience at TYRA (2021-2022)

Other activities:

- Planetarium show, Physics department, Durham University (since July 2023)
- Science Festival, Durham University (since March 2023)
- Durham Astronomy Girl's Day, Physics department, Durham University (since Jan 2023)
- Eyes to the Sky Project, Physics department, Durham University (Dec Jan 2023)
 - We work with and support students of rural schools to understand science and astronomy.
- Digital Art Project, Ogden@20 schools' day, Physics department, Durham University (Oct Dec 2022)
 - We work with students at local schools to make a film for the Ogden@20 celebration at the Physics department.

NTNU Physics Camp, Student Union of Physics, NTNU (2010—2014)

• The summer and winter multiple-days Physics camps for 15-18y students were we conveyed the concept of Physics through a variety of activities.