

CONTACT INFORMATION	Department of Physics University of Warwick Gibbet Hill Road Coventry CV4 7AL	Phone: +44 24765 73869 Mobile: +44 7717 351911 E-mail: <a href="mailto:d.j.a.brown@warwick.ac.uk">d.j.a.brown@warwick.ac.uk</a> WWW: <a href="#">Department page</a> WWW: <a href="#">LinkedIn</a>
APPOINTMENTS HELD	<b>The University of Warwick</b> , Department of Physics  Senior Research Fellow PLATO Science Management project office lead. Funded by the UK Space Agency.  Research Fellow  Postdoctoral Research Fellow  Visiting Academic	Aug. 2021 – Present  March 2018 – July 2021  March 2015 – Feb. 2018  Sept. 2013 – Feb. 2015
	<b>Queen's University Belfast</b> , School of Mathematics and Physics  Postdoctoral Research Fellow	Sept. 2013 – Feb. 2015
	<b>The University of St Andrews</b> , School of Physics and Astronomy  Postgraduate Research Student  Teaching Assistant	Sept. 2009 – Oct. 2013  Sept. 2009 – Oct. 2013
	<b>The University of Warwick</b> , Department of Physics  Undergraduate Research Scholarship Scheme  Undergraduate Student,	June 2008 – Aug. 2008  Sept. 2005 – June 2009
QUALIFICATIONS	Project Management Qualification (PMQ) Doctor of Philosophy (Ph.D.) in Astrophysics Master of Physics with Honours (MPhys), 1st Class	Association for Project Management, 2020 University of St Andrews, 2013 University of Warwick, 2009
PROFESSIONAL MEMBERSHIPS	Fellow of the Royal Astronomical Society Associate Member of the Institute of Physics	
AWARDS AND PRIZES	Merit Pay award Merit Pay award <b>Cormack Postgraduate Prize</b>  Awarded for my paper <b>Brown, D. J. A. et al. (2011)</b>	University of Warwick, 2019 University of Warwick, 2017 Royal Society of Edinburgh, 2012
REFEREED JOURNAL ARTICLES	For full details, please see my publication list  67 peer-reviewed, published papers  10 pre-prints  4 conference proceedings  5 conference abstracts	

**GRANTS****PI:**

STFC (via Warwick Ventures IAA) 2020; 5 months  
*"Assessing the Impact of Large-Scale Commercial Satellite Constellations on Ground-Based Observatories"*

**Co-I:**

Department for Business, Energy, and Industrial Strategy (BEIS; via UKSA and STFC) 2017; 56 months  
*"PLATO Implementation Phase (up to April 2022)"*

**PROJECTS AND COLLABORATIONS****Current:**

PLATO – Science Management Project Office lead; Exoplanet Science work packages  
 GNOSIS – member of the extended steering board  
 NCORES  
 RAS Working Group on satellite constellations  
 Centre for Exoplanets and Habitability (CEH)  
 NGTS – collaborating scientist

**Past:**

WASP – project member; northern hemisphere candidate follow-up coordination  
 Tidal Decay of hot Jupiters – project leader  
 Rossiter-McLaughlin of Long-Period Planets – project leader  
 Eta-Earth – collaborating scientist  
 HARPS-N – collaborating scientist  
 GAPS – external collaborator  
 Space Insight UK – observer

**SCIENTIFIC PRESENTATIONS****Colloquia**

NASA JPL, Pasadena, USA June 2015  
 Yunnan Observatories, China Nov. 2014

**Seminars**

School of Physics and Astronomy, Cardiff University March 2019  
 Institute of Astronomy, University of Cambridge Nov. 2018  
 Cavendish Astrophysics Group, University of Cambridge May 2017  
 Astronomy Group, University of Keele Dec. 2015  
 School of Physics and Astronomy, University of St Andrews May 2013  
 School of Physics and Astronomy, University of St Andrews Feb. 2011

### Invited conference talks

<i>European Planetary Science Congress</i> , Nantes, France	Sept. 2015
<i>European Planetary Science Congress</i> , Nantes, France (on behalf of Prof. Peter Wheatley)	Sept. 2015
<i>The Workshop for Exoplanetary Systems</i> , Kunming, China	Nov. 2014
<i>SUPA Cormack Astronomy Meeting</i> , Royal Society of Edinburgh, UK (Cormack Postgraduate Prize Talk)	Nov. 2012

### Contributed conference talks

<i>UK Community Exoplanet Conference</i> , University of Oxford	March 2018
<i>10 years of science with SOPHIE</i> , OHP, France	Sept. 2016
<i>UK National Astronomy Meeting</i> , Llandudno, UK	July 2015
<i>UK Community Exoplanet Conference</i> , University of Warwick, UK	March 2015
<i>European Planetary Science Congress</i> , University College London, UK	Sept. 2013
<i>UK National Astronomy Meeting</i> , St Andrews, UK	July 2013
<i>UK National Astronomy Meeting</i> , St Andrews, UK	July 2013
<i>UK National Astronomy Meeting</i> , Manchester, UK	March 2012
<i>Extreme Solar Systems II</i> , Jackson Lake Lodge, USA	Sept. 2011
<i>IAU Symposium 276: The astrophysics of planetary systems</i> , Turin, Italy	Sept. 2010

### Scientific posters

<i>PLATO Mission Conference</i> , University of Warwick, UK	Sept. 2017
<i>UK Community Exoplanet Conference</i> , University of St Andrews, UK	March 2017
<i>European Planetary Science Congress</i> , Nantes, France	Sept. 2015
<i>European Planetary Science Congress</i> , Nantes, France	Sept. 2015
<i>UK National Astronomy Meeting</i> , Llandudno, UK	July 2015
<i>UK Community Exoplanet Conference</i> , University of Warwick, UK	March 2015
<i>Towards Other Earths 2: the star-planet connection</i> , Porto, Portugal	2014
<i>Cormack Bequest Meeting</i> , University of St Andrews, UK	2011

### Other

<i>Colony: the Future of Living Spaces</i> , University of Warwick, UK (panel discussion)	Nov. 2017
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### CONFERENCE ORGANISATION

### Local Organising Committee

UK National Astronomy Meeting 2022, University of Warwick, UK	Chair
PLATO ESP2020, online event	
PLATO ESP2019, University of Warwick, UK	
PLATO Mission Conference 2017, University of Warwick, UK	Chair
UK National Astronomy Meeting 2013, University of St Andrews, UK	

## Scientific Organising Committee

PLATO ESP2020, online event

PLATO Mission Conference 2017, University of Warwick, UK

*Exoplanetary systems: past, present, and future*, parallel session at UK National Astronomy Meeting 2016, University of Nottingham, UK

*Stellar, Exoplanet and Galactic Science from Massive, High-precision Variability Surveys*, parallel session at UK National Astronomy Meeting 2015, Llandudno, UK

## Session Chair

PLATO ESP2020, online event	Sept. 2020
UK National Astronomy Meeting, University of Nottingham, UK	July 2016
UK National Astronomy Meeting, Llandudno, UK	July 2015
<i>The Workshop for Exoplanetary Systems</i> , Kunming, China	Nov. 2014

## PEER REVIEW

### Grants and proposals

NASA XRP Grants – panel member	2019
NASA TESS Guest Investigator Cycle 2 – panel member	2019
Liverpool Telescope TAC – external reviewer	2019
NASA XRP Grants – panel member	2017
NASA XRP Grants – external reviewer	2016

### Journal referee

Acta Astronomica	2018/19
Science	2017
The Astronomical Journal	2017
Astronomy & Astrophysics	2016
Monthly Notices of the Royal Astronomical Society	2016
Monthly Notices of the Royal Astronomical Society	2016
Reinvention (A Journal of Undergraduate Research)	2016
Monthly Notices of the Royal Astronomical Society	2015

## TEACHING

### The University of Warwick

PX268: Stars	2015 - present
2nd year undergraduate course	
Lecture cover for occasions when main lecturer was absent	
Between two and five lectures per year	
IL907: Habitability in the Universe	2018 - present
Postgraduate course taught by a range of academics	
Deliver session on “ <i>Habitability in the Solar System</i> ”	
PX277: Computational Physics	2020 - 2021
Second year undergraduate course	
Teaching assistant	
Two – three workshops per week, depending on demand.	

PX150: Physics Programming Workshop	2015 - 2018
First year undergraduate course	
Teaching assistant	
Two – three workshops per week, depending on demand.	

### **The University of St Andrews**

1:1 tutoring in Physics and Astronomy	2012 – 2013
AS2001: Astrophysics-2 (problems class tutor)	2009 – 2013
Second year undergraduate course	
One class in 2009 and 2012. Two classes in 2010 and 2011.	
AS2001: Astrophysics-2 (laboratory demonstrator)	2009 – 2013
Second year undergraduate course	
One class in 2009, 2010, and 2012. Two classes in 2011.	
Coordinator for graduate student demonstrators in 2011 and 2012.	
AS4001: Observational Astronomy	2009 – 2013
Fourth year undergraduate course	
Support astronomer on the James Gregory Telescope at the University of St Andrews Observatory.	

### **SUPERVISION**

#### **University of Warwick**

MSci by research students	
2021/22: co-supervision of one student	
2014/15: co-supervision of one student	
MPhys project students	
2021/22: two students	
BSc project students	
2020/21: co-supervision of two students	
Undergraduate Research Scholarship Scheme	
2021: co-supervision of one student	
2016: one student, plus co-supervision of one student	
2015: co-supervision of one student	

#### **Nuffield Research Placements**

2017 – present

Supervision of 17-18 year old students on short summer research placements. These placements are aimed at students from disadvantaged backgrounds, or with no family history of further education, and give them the chance to do independent research.

One or two students per year

### **OUTREACH**

#### **Presentations and talks**

University of Warwick AstroSoc	Dec. 2020
University of Warwick PhysSoc	Nov. 2020
Coventry and Warwickshire Astronomical Society	Feb. 2020
Discussion of the science and history of the Moon between filming sessions for the BBC documentary “Wonders of the Moon”, Coventry Cathedral	Sept. 2017
Sixth Form careers day, National Space Centre	Nov. 2017

Chipping Norton Astronomy Society	July 2016
Sixth Form careers day, National Space Centre	Jan. 2015
Walsall Astronomical Society	Nov. 2014
University experience day, University of Warwick	July 2014
Stratford-on-Avon Astronomical Society	Dec. 2013
Sixth Form careers day, National Space Centre	Nov. 2013

#### **Popular articles**

ROOM	Sept. 2017
Popular Astronomy	Jan. 2017

#### **Press releases**

18-hour year planet on edge of destruction	Feb. 2020
Santa's workshop could be on snowy moon	Dec. 2017

#### **Planetarium work**

University of Warwick Planetarium	2015 – present
Ten visits to primary schools in Coventry, Leamington Spa, Kenilworth, Southam, Alcester, and Nottingham. Show a range of planetarium shows, followed by Q&A sessions.	
University of St Andrews Starlab	Sept. 2009 – Oct. 2013

Program coordinator (Jan. 2011 – Dec. 2012)  
One to two visits per month to primary schools and youth groups around Fife, giving children a guided tour of the night sky followed by Q&A sessions.  
Also visited Fife Science Festival 2011, the Royal Highland Show 2012, and Edinburgh MELA 2012.

#### **Other activities**

“Nucleus” STEM programme, Northampton Academy (Regular workshops and talks)	Nov. 2019 – present
XMAS Science Gala, University of Warwick (Annual Event)	2019 – present
Stargazing evenings (Two events)	2017 – present
University of Warwick open days	Sept. 2013 – present
Science in the City, Dundee Science Centre	April 2010
Explore Your Universe	March 2010
University of St Andrews Observatory tours and open nights	Sept. 2009 – Oct. 2013

#### **MEDIA**

For full details, please see my list of media engagements.

24 live television interviews for Sky News, Al Jazeera, France24, Russia Today, TRT World, DW, and Euronews World
Live France24 special edition news programme
34 radio interviews for BBC Radio Four, BBC World Service, and BBC Local Radio stations
2 recorded television interviews for Channel 5 News and BBC Midlands Today
Interviews for WSJ Hong Kong and the Sunday Herald
1 documentary: “Looking Out There”