

Institut für Planetenforschung
Deutsches Zentrum für Luft- und Raumfahrt
Rutherfordstraße 2
12489 Berlin
Germany

☎ phone +49(0)30 6705 5367

✉ email Alexis.Smith@dlr.de

🌐 website www.alexissmith.co.uk

Alexis M. S. Smith

Curriculum Vitae

Employment

- 2015– **Postdoctoral Researcher**, German Aerospace Center (DLR), Berlin, Germany.
2012–2015 **Postdoctoral Researcher**, Nicolaus Copernicus Astronomical Center, Warsaw, Poland.
2009–2012 **Research Associate**, Astrophysics Group, Keele University, UK.
2005–2009 **Tutor and laboratory demonstrator**, University of St Andrews, UK.

Education

- 2009 **Ph.D. Astrophysics**, University of St Andrews, UK.
Thesis: *Searching for transiting extra-solar planets at optical and radio wavelengths*
Supervisor: Prof. Andrew Collier Cameron
2005 **M.Sci. Physics (Upper Second Class Honours)**, University of Durham, UK.
2001 'A'-levels, Caistor Grammar School, Lincolnshire, UK:
Physics (A), Mathematics (A), Further Mathematics (A), Chemistry (B), Gen. Stud. (A)
1999 11 GCSEs (Grades A* & A), Caistor Grammar School, Lincolnshire, UK

Grants, Professional Service, and Memberships

- Member, CHEOPS Science Team (2017 –).
- Elected member, KESPRINT Steering Committee (2018 –).
- Member, PLATO consortium (2019 –).
- PI of Deutsche Forschungsgemeinschaft (DFG) research grant. Awarded €212,750 for 3 year research project on tidal decay of hot Jupiters (2021 – 2023).
- PI of Polish National Science Centre "OPUS" research grant. Awarded 260,300 zł. (\approx €63,000) for 2 year research project on planet atmospheres (2013 – 2015).
- Fellow of the Royal Astronomical Society (FRAS)
- Full member of the Institute of Physics (MInstP)
- Member of the European Astronomical Society (EAS)
- Member of the International Astronomical Union (IAU)

- Referee for *Nature Astronomy*, *The Astrophysical Journal*, *The Astronomical Journal*, *Astronomy & Astrophysics*, *Monthly Notices of the Royal Astronomical Society*, *Proceedings of the Astronomical Society of the Pacific*, and *Information Bulletin on Variable Stars*
- External expert reviewer for the OPTICON telescope time allocation committee
- Member, *EWASS 2019* Symposium S9 Scientific Organising Committee
- Member, *Cool Stars XV* Local Organising Committee

Refereed Publications

See my website for an up-to-date list of publications.

All papers: 120+ papers, 3500+ citations, H-index = 36

As first author: 14 papers, 300+ citations, H-index = 11

Observing Experience

2015	1.4-m IRSF, SAAO, South Africa: Infrared photometry
2010 – 2015	2.5-m INT, ING, La Palma: Optical photometry
2011	8.2-m VLT, ESO Paranal: Near-IR photometry
2007	0.8-m IAC-80, IAC, Tenerife: Optical photometry
2007 – 2009	100-m GBT, NRAO, WV: Radio continuum (307 - 347 MHz & 27 - 37 GHz)
2005 – 2009	0.94-m JGT, St Andrews: Optical photometry

Telescope Time Awards (selected, recent)

2019	PI, <i>Measuring the orbital obliquity of the warm Jupiter K2-139b</i> , CHEOPS [space telescope] (46.7 hours)
2019	Co-I (PI: Csizmadia), <i>Constraining exoplanet interior structure by measuring planetary Love numbers</i> , 3.6-m / HARPS, ESO, La Silla (5 nights)
2018	Co-I (PI: Gandolfi), <i>The KESPRINT radial velocity follow-up of TESS transiting planets: unveiling the nature of small worlds</i> , 3.6-m / HARPS, ESO, La Silla (78 nights)
2015	PI, <i>Constraining the atmospheric properties of hot Jupiters</i> , 1.4-m Infrared Survey Facility, SAAO, South Africa (14 nights)
2015	PI, <i>High-precision transit photometry of a massive exoplanet in a 10-day orbit</i> , I/2015B/4, 2.5-m Isaac Newton Telescope, ING, La Palma (1 night)
2014	PI, <i>The bulk characterisation of two new exoplanets via transit photometry</i> , I/2014B/12, 2.5-m Isaac Newton Telescope, ING, La Palma (2 nights)
2014	PI, <i>WASP-106: characterising a newly-discovered warm Jupiter in a 9.2-day orbit</i> , I/2014A/09, 2.5-m Isaac Newton Telescope, ING, La Palma (1 night)
2013	PI, <i>The bulk characterisation of three new exoplanets via transit photometry</i> , I/2013B/04, 2.5-m Isaac Newton Telescope, ING, La Palma (2 nights)
2013	PI, <i>Constraining the atmospheric properties of two highly-irradiated exoplanets</i> , 13BO63, 3.6-m Canada France Hawaii Telescope, Mauna Kea (2 nights)