

Eamon O’Gorman

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EDUCATION	Trinity College Dublin , Dublin, Ireland <i>Doctor of Philosophy</i> <ul style="list-style-type: none">• Advisor: Professor Graham Harper• Thesis submitted on 30th September 2013• Thesis defence on 15th November 2013 International Space University (ISU) , Strasbourg, France M.Sc., Space Studies	October 2009 – present September 2008 – August 2009
	University College Dublin (UCD) , Dublin, Ireland B.Sc., Theoretical Physics, (First class honours)	September 2003 – June 2007
HONOURS AND AWARDS	<ul style="list-style-type: none">• Enterprise Ireland/European Space Agency scholarship to study at the ISU, 2008• UCD Entrance Scholar, 2003	
REFEREED PUBLICATIONS	O’Gorman, E. , Harper, G. M., Brown, A., Drake, S., Richards, A. M. S. <i>Multi-wavelength Radio Continuum Emission Studies of Dust-free Red Giants</i> , 2013, AJ, 146, 98. Richards, A. M. S., Davis, R. J., Decin, L., Etoaka, S., Harper, G. M., Lim, J. J., Garrington, S. T., Gray, M. D., McDonald, I., O’Gorman, E. , Wittkowski, M. <i>e-MERLIN resolves Betelgeuse at λ 5 cm: hotspots at $5 R_*$</i> , 2013, MNRAS, 432, L61. O’Gorman, E. , Harper, G. M., Brown, J. M., Brown, A., Redfield, S., Richter, M. J., Requena-Torres, M. A. <i>CARMA CO($J = 2 - 1$) Observations of the Circumstellar Envelope of Betelgeuse</i> , 2012, AJ, 144, 36. Sada, P. V., Deming, D., Jennings, D. E., Jackson, B. K., Hamilton, C. M., Fraine, J., Peterson, S. W., Haase, F., Bays, K., Lunsford, A., O’Gorman, E. <i>Extrasolar Planet Transits Observed at Kitt Peak National Observatory</i> , 2012, PASP, 124, 212. Sada, P. V., Deming, D., Jackson, B., Jennings, D. E., Peterson, S. W., Haase, F., Bays, K., O’Gorman, Eamon. , Lunsford, A. <i>Recent Transits of the Super-Earth Exoplanet GJ 1214b</i> , 2010, ApJ, 720, L215.	
CONFERENCE PRESENTATIONS	Oral: O’Gorman, E. , et al. <i>Probing the Thermodynamics of Red Giant Mass Outflows with the JVL A</i> . Radio Stars and Their Lives in the Galaxy, MIT Haystack Observatory, MA, USA, October 2012. O’Gorman, E. <i>CO in the Circumstellar Envelope of Betelgeuse with CARMA</i> . The 41st Young European Radio Astronomers Conference, University of Manchester/Jodrell Bank Observatory, UK, July 2011 Poster: O’Gorman, E. , Harper, G. M. <i>What is Heating Arcturus’ Wind?</i> 16th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, University of Washington, Seattle, USA, August 2010	

ACCEPTED PROPOSALS AS PI	<p>O’Gorman, E., et al. <i>Beta Gem b: An alternative candidate in the search for extrasolar planetary radio emission (II)</i>, GMRT, 2013, ID: 25_039</p> <p>O’Gorman, E., et al. <i>Beta Gem b: An alternative candidate in the search for extrasolar planetary radio emission</i>, GMRT, 2013, ID: 24_013</p> <p>O’Gorman, E., et al. <i>Thermal Continuum Mapping of Red Giant Chromospheres</i>, CARMA, 2012, ID: c1038</p> <p>O’Gorman, E., et al. <i>L and S band Continuum Observations of Arcturus: Completing a Clean Sweep</i>, VLA, 2012, ID: VLA-12A-472</p>		
SHORT-TERM RESEARCH STAYS	<p>National Centre for Radio Astrophysics, India, 2013: Collaboration with Dr. Sandeep Sirothia to prepare our GMRT 150 MHz observations and carry out initial data analysis.</p> <p>Harvard-Smithsonian Center for Astrophysics, USA, 2011: Collaboration with Dr. Joanna Brown to carry out initial analysis on our CARMA millimeter data using CASA.</p> <p>NASA Goddard Space Flight Center, USA, 2009: Three month student internship with Dr. Drake Deming in the area of transiting exoplanet characterization. Analyzed data from the FLAMINGOS infrared camera on the 2.1 m Kitt Peak National Observatory Telescope.</p>		
TEACHING EXPERIENCE	<ul style="list-style-type: none"> • September 2009 - April 2010: Discussion lab instructor for undergraduate physics students • September 2010 - April 2012: Bi-weekly physics tutorials for undergraduate engineering students 		
OUTREACH	<ul style="list-style-type: none"> • Throughout the year we carry out a “Build a Comet in the Lab” workshop for both secondary school students interested in pursuing physics in college, and for primary school students from disadvantaged backgrounds. • Regularly visit secondary schools to discuss career opportunities in physics and astrophysics to prospective students. 		
PROGRAMMING	IDL, Python, CASA, L ^A T _E X 2 _ε , PHP, BASH, and UNIX-like operating systems.		
PROFESSIONAL ORGANISATIONS	<ul style="list-style-type: none"> • Fellow of the Royal Astronomical Society • Associate Member of the Institute of Physics 		
OTHER INTERESTS	I love the outdoors and playing sport. I have played hurling (a traditional Irish sport) since I was a child, and in 2011 I was named Trinity College senior hurling player of the year.		
REFEREES	<p>Prof. Graham Harper School of Physics Trinity College Dublin Dublin 2, Ireland phone: +353 (0)1 896 3257 e-mail: graham.harper@tcd.ie</p>	<p>Prof. Peter Gallagher School of Physics Trinity College Dublin Dublin 2, Ireland phone: +353 (0)1 896 1300 e-mail: peter.gallagher@tcd.ie</p>	<p>Prof. Hugh Hill International Space University 1 rue Jean-Dominique Cassini Strasbourg, France phone: +33 (0)3 88 65 54 39 e-mail: hill@isu.isunet.edu</p>