## Marton Mester

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RESEARCH INTERESTS	Atmospheric dynamics, circulation and mixing Geophysical Fluid Dynamics Planetary atmospheres Stratospheric Sudden Warmings
EDUCATION	<b>University College London</b> , London, UK Ph.D. in Applied Mathematics 2016- Advisors: Gavin Esler (principal), Robb McDonald (secondary)
	<b>University of Cambridge, Trinity Hall</b> , Cambridge, UK B.A. in Mathematics 2012-2015 (Class I) MMath 2015-2016 (Honours)
	Radnoti Miklos Experimental High School, Szeged, Hungary Special class in Mathematics 2007-12 Silver medal, Middle European Mathematics Olympiad (2011)
NATIONALITY	Hungarian
TECHNICAL SKILLS	MATLAB, Fortran
RESEARCH EXPERIENCE	University College London, London, UK2016-Research Assistant (Ph.D.), Program in Applied Mathematics2016-Title: Stochastic and Dynamical Models of Sudden Stratospheric Warmings2016-
	<b>University of Cambridge</b> , Cambridge, UK Cambridge Summer Research in Mathematics (CSRIM) Programme Summer 2015 Title: Optimal Vortex States for Planetary-scale Rossby-wave Amplification Advisor: Peter Hitchcock
	SZTE Bolyai Institute, Szeged, Hungary Polygon Prize for High School Students Combinatorics (2010), Geometry (2011)Springs 2010, 2011

TEACHING EXPERIENCE	<b>University College London</b> , London, UK Undergraduate courses: Fluid mechanics (Problem Class and tutorials)	
PROFESSIONAL ACTIVITIES	<b>University College London</b> , London, UK Organiser of the UCL Postgraduate Fluid Dynamics Seminar series	2017-2019
TALKS	22nd Conference on Atmospheric and Oceanic Fluid Dynamics, Portland, Dynamical Elliptical Diagnostics of the Antarctic Polar Vortex	ME 24/06/19
	Dynamics of Rotating Fluids meeting, University of Oxford, Oxford Noise-induced split-type stratospheric sudden warmings	21/09/18
	UCL-ICL postgraduate mathematics conference, University College Londo The polar vortex and the stochastically forced Kida-model	on, London 27/04/18
	UCL Mathematics Postgraduate Seminar, University College London, London The polar vortex and the Kida-model in a slowly changing stochastic background flow 23/11/17	
	Summer Undergraduate Research Presentations, University of Cambridge, Optimal vortex states for planetary-scale Rossby wave amplification	Cambridge 12/10/15
PUBLICATIONS	<ol> <li>J. G. Esler, M. Mester: Noise-induced vortex-splitting stratospl den warmings Quart. J. Roy. Meteor. Soc. 2019; 145: 476-494. https://doi.org/10.</li> </ol>	
	<ol> <li>M. Mester, J. G. Esler: Dynamical Elliptical Diagnostics of the tic Polar Vortex</li> <li>J. Atmos. Sci., 77, 1167-1180, https://doi.org/10.1175/JAS-D-19-02</li> </ol>	