CURRICULUM VITAE

Name, Surname: Camilla Danielski
Nationality: Italian/Brazilian
Date of Birth: 8 August 1985
Place of birth: Negrar, Verona (Italy)

I am a final-year graduate student specialising in Exoplanet studies, particularly in the observational aspects of the field. I have significant experience in data reduction, spectral analysis, Monte Carlo simulations and statistical methods. I have written and contributed to several observing and funding proposals. In addition to my research activities, I have experience of teaching problem classes, organising a journal club and workshops. I am also interested in science outreach.

EDUCATION

PhD in Physics and Astronomy :

University College London, UK; Sept 2010 -present
Advisor: Dr. Giovanna Tinetti, with Prof. Serena Viti
PG Studies due to finish: 15 December 2013
The aim of my PhD project is the characterisation of exoplanets around late type stars. During my first year I extracted the 0.94 - 2.42 micron ground-based transmission spectra of the hot Jupiter HD-189733b by analysing data obtained with the SpeX instrument on the NASA Infrared Telescope Facility.
Furthermore I analysed the Kepler data with a non-parametric based technique to detrend the long term stellar activity. I am currently exploiting the same technique to analyse the intrinsic stellar variability.

MSc in Astrophysics:

University College London, UK; Sept 2009 - Sept 2010
Advisors: Dr. Giovanna Tinetti, Dr. Jean-Philippe Beaulieu.
I studied the variability of the warm Neptune GJ-436b by analysing the photometric data recorded with the InfraRed Array Camera on board of the Spitzer space Telescope.

BSc in Astronomy:

Padova University, Italy; Oct 2005 - March 2009. 95/110
Project advisor : Prof. Giampaolo Piotto
I investigated the S/N performances of the ESA PLATO mission for a range of observable stars.

SCIENTIFIC PRESENTATIONS

2013

Contributed talk: *Stellar Variability* at the EChO Open Science Workshop, ESA-ESTEC, Noordwijk, Netherlands, 3 July.
Contributed talk: *Detrending the stellar activity and the systematics of the Kepler data with a non-parametric approach* at the EPSC congress, London, UK, 12 September.
Contributed talk: *Detrending the stellar activity and the systematics of the Kepler data with a non-parametric approach* at the International Francqui Symposium, Brussels, Belgium, 2 December.

2012

Contributed talk: *The 0.81 - 4.2 micron ground-based transmission spectra of the hot Jupiter HD-189733b* at EPSC congress, Madrid, Spain, September 26.
Contributed talk: *The 0.81 - 4.2 micron ground-based transmission spectra of the hot Jupiter HD-189733b* 39th COSPAR, Mysore, India, July 16.
Contributed talk: *The 0.81 - 2.41 micron ground-based transmission spectra of the hot Jupiter HD-189733b* at the UK National Astronomic Meeting, Manchester, UK, 30 March.
Contributed talk: *Atmospheric Characterization of Exoplanets,* ApeX talk, UCL, London, UK, 15 March
Poster presentation: *The 0.81 - 4.2 micron ground-based transmission spectra of the hot Jupiter HD-189733b*, IAU XXVIII General assembly, Beijing, China, August.
Poster presentation: *The 0.81- 4.2 micron ground-based transmission spectra of the hot Jupiter HD-189733b*, Cool stars 17, Barcelona, Spain, June.
Presentation of an ESO proposal: *Near-Infrared transmission spectroscopy of the Saturn-sized planet WASP-29b*, March 2012

2011

Contributed talk: *Ground-based spectroscopy of the primary eclipse of HD-189733b* at the EPSC-DPS Joint Meeting, Nantes, France, 5 October.
Contributed talk: *Probing the atmosphere of the warm Neptune GJ 436b* at the UK National Astronomic Meeting, Llandudno, UK, 18 April.
Poster presentation: *Probing the atmosphere of the warm Neptune GJ 436b*, RAS specialist discussion meeting on Dynamics and Composition of (Exo)Planet Atmospheres, London, UK 11-12 February
Presentation of an ESO proposal: *Near-Infrared transmission spectroscopy of Sub-Jupiter WASP 6b*, March 2011

PUBLICATIONS

Danielski, C. et al., *Detrending the long-term stellar activity and the systematics of the Kepler data with a non-parametric approach*., in the review process.

Danielski, C. et al., *0.94 - 2.42 micron ground-based transmission Spectra of the hot Jupiter HD-189733b*, in the review process.

Tinetti, G. et al., *EChO - Exoplanet Characterisation Observatory*, 2012