

Megan E. Schwamb
Lecturer
Astrophysics Research Centre
School of Mathematics and Physics
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Research Interests

Dr. Schwamb's research focuses on how planets and their building blocks form and evolve. With ground-based surveys, she studies our Solar System's small body reservoirs, in particular focusing on the Kuiper belt beyond Neptune. She also utilizes citizen science to mine large datasets for Solar System science.

Employment

Lecturer

School of Mathematics and Physics
Queen's University Belfast
Belfast, United Kingdom
05 Aug 2019 → present

Astrophysics Research Centre (ARC)

Queen's University Belfast
United Kingdom
05 Aug 2019 → present

Prizes

Academia Sinica Postdoctoral Fellowship

Schwamb, Megan (Recipient), 2013

AURA Science Award

Schwamb, Megan (Recipient), 2019

Carl Sagan Medal for Excellence in Public Communication in Planetary Science

Schwamb, Megan (Recipient), 2017

NSF Astronomy and Astrophysics Postdoctoral Fellowship

Schwamb, Megan (Recipient), 2010

Professional Activities & Service

Mikulski Archive for Space Telescopes (MAST) User Group (External organisation)

Megan Schwamb (Board Member)
May 2020

Rubin Observatory Survey Cadence Optimization Committee (External organisation)

Megan Schwamb (Member)
May 2020 → ...

LSST:UK Science Working Group (External organisation)

Megan Schwamb (Member)
30 Jan 2020 → ...

LSST:UK Board (External organisation)

Megan Schwamb (Board Member)

05 Aug 2019 → ...

Comet Interceptor Science Team

Megan Schwamb (Member)

2019 → ...

Rubin Observatory Science Advisory Committee (External organisation)

Megan Schwamb (Member)

Dec 2018 → ...

Gemini Observatory Time Domain Advisory Committee (External organisation)

Megan Schwamb (Member)

2018 → ...

Rubin Observatory Legacy Survey of Space and Time (LSST) Solar System Science Collaboration (External organisation)

Megan Schwamb (Chair)

May 2017 → ...

Research outputs

Col-OSSOS: Compositional Homogeneity of Three Kuiper Belt Binaries

Marsset, M., Fraser, W. C., Bannister, M. T., Schwamb, M. E., Pike, R. E., Benecchi, S., Kavelaars, J. J., Alexandersen, M., Chen, Y-T., Gladman, B. J., Gwyn, S. D. J., Petit, J-M. & Volk, K., 20 May 2020, In : The Planetary Science Journal. 1, 1, 9 p., 16.

Planet Hunters TESS I: TOI 813, a subgiant hosting a transiting Saturn-sized planet on an 84-day orbit

Eisner, N. L., Barragán, O., Aigrain, S., Lintott, C., Miller, G., Zicher, N., Boyajian, T. S., Briceño, C., Bryant, E. M., Christiansen, J. L., Feinstein, A. D., Flor-Torres, L. M., Fridlund, M., Gandolfi, D., Gilbert, J., Guerrero, N., Jenkins, J. M., Jones, K., Kristiansen, M. H., Vanderburg, A. & 30 others, Law, N., López-Sánchez, A. R., Mann, A. W., Safron, E. J., Schwamb, M. E., Stassun, K. G., Osborn, H. P., Wang, J., Zic, A., Ziegler, C., Barnet, F., Bean, S. J., Bundy, D. M., Chetnik, Z., Dawson, J. L., Garstone, J., Stenner, A. G., Hutten, M., Larish, S., Melanson, L. D., Mitchell, T., Moore, C., Peltsch, K., Rogers, D. J., Schuster, C., Smith, D. S., Simister, D. J., Tanner, C., Terentev, I. & Tsymbal, A., 01 May 2020, In : Monthly Notices of the Royal Astronomical Society. 494, 1, p. 750-763

The mass and density of the dwarf planet (225088) 2007 OR₁₀

Kiss, C., Marton, G., Parker, A. H., Grundy, W. M., Farkas-Takács, A., Stansberry, J., Pál, A., Müller, T., Noll, K. S., Schwamb, M. E., Barr, A. C., Young, L. A. & Vinkó, J., Dec 2019, In : Icarus. 334, p. 3-10 8 p.

A Data Reduction Pipeline for Gemini-North's Near-infrared Integral Field Spectrometer

Lemoine-Busserolle, M., Comeau, N., Kielty, C., Klemmer, K. & Schwamb, M. E., 23 Sep 2019, In : Astronomical Journal. 158, 4, 15 p., 153.

OSSOS. XII. Variability Studies of 65 Trans-Neptunian Objects Using the Hyper Suprime-Cam

Alexandersen, M., Benecchi, S. D., Chen, Y-T., Eduardo, M. R., Thirouin, A., Schwamb, M. E., Lehner, M. J., Wang, S-Y., Bannister, M. T., Gladman, B. J., Gwyn, S. D. J., Kavelaars, J.J., Petit, J-M. & Volk, K., 19 Sep 2019, In : Astrophysical Journal Supplement Series. 244, 1, 17 p., 19.

Col-OSSOS: The Colors of the Outer Solar System Origins Survey

Schwamb, M. E., Fraser, W. C., Bannister, M. T., Marsset, M., Pike, R. E., Kavelaars, J. J., Benecchi, S. D., Lehner, M. J., Wang, S-Y., Thirouin, A., Delsanti, A., Peixinho, N., Volk, K., Alexandersen, M., Chen, Y-T., Gladman, B., Gwyn, S. D. J. & Petit, J-M., 11 Jul 2019, In : Astrophysical Journal Supplement Series.