

#### Applied Category Theory <act2019school@gmail.com>

# Query re. ACT 2019 School

1 message

ROFF Emily <emily.roff@ed.ac.uk>

Tue, Jan 29, 2019 at 1:40 AM

To: "act2019school@gmail.com" <act2019school@gmail.com>

Dear Daniel and Jules,

I am a first-year PhD student at The University of Edinburgh, working with Tom Leinster. I'm interested in category theory and its applications across and beyond mathematics, and I'm writing to you regarding the ACT 2019 School.

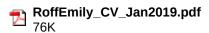
I read the description of the School with interest and would have liked to be involved, but my responsibilities this semester are such that it won't be feasible for me to commit to the whole programme of reading. I appreciate that you're looking for participants who can play an active role throughout, but I thought it worth asking whether you could accommodate an `auditor' during a couple of the sessions. I'd be especially keen to sit in on David Spivak's discussion of behavioural mereology and autopoiesis.

I'm attaching my CV, and if it would be helpful to have a more detailed description of my background and research interests I'll be happy to provide that as well.

Best wishes,

Emily Roff The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336.

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336.



# **Emily Roff**

Room 5.33, The Bayes Centre, 47 Potterrow, Edinburgh, EH8 9BT • 07772 945 868 • emily.roff@ed.ac.uk

#### **EDUCATION**

#### The University of Edinburgh, PhD in Mathematics

2018-present

Supervised by Tom Leinster.

#### The University of Cambridge, MASt in Pure Mathematics

2017-2018

Part III essay on commutative monads supervised by Martin Hyland.

# King's College London, BSc (Hons.) in Mathematics

2015-2017

Final year project in geometric analysis supervised by Simon Scott.

# The Open University, modules in Mathematics

2012-2015

Part-time distance learning, designed to bridge from high school mathematics into the first year of university.

#### The University of Edinburgh, MA (Hons.) in Scottish Ethnology

2005-2009

An undergraduate degree including training in anthropological theory and ethnographic research methods.

### SEMINAR TALKS

Čech and Rips complexes, Working Seminar on Persistent Homology, Edinburgh

01/2019

Commutative monads, Part III Seminar, Cambridge

03/2018

#### TEACHING EXPERIENCE

Teaching assistant for Honours Algebra (Skills), University of Edinburgh

Spring 2019

#### INTERDISCIPLINARY ENGAGEMENT

# Robert Schumann Hochschule, Düsseldorf

11/2018

Invited participant at the  $Form\ and\ Formalism\ seminar$  – a series for students of music and media theory with an interest in category-theoretic ideas.

# Performing Arts Forum, Saint-Erme-Outre-et-Ramecourt

06/2018

Instructor at Categories for the Hard-Working Non-Mathematician – a week-long, philosophically oriented introduction to the basics of category theory for people without a university background in mathematics.

#### NYU and Skowhegan Gallery, New York

02/2018

Invited participant at *The Institute of Physical Sociality* – a research group interested in mathematics and physics, ethics, gender and race, led by Karen Barad, Gabriel Catren, Fred Moten and Fernando Zalamea.

# PREVIOUS EMPLOYMENT

#### Welfare rights adviser, Glasgow and London

09/2011-12/2016

at Child Poverty Action Group, Drumchapel Money Advice Centre and WestGAP; Chair of the management committee at WestGAP from 09/2013 to 07/2015.

#### Arts producer, Edinburgh and Glasgow

09/2006-09/2012

at Tracer Trails and Arika.

# SCHOLARSHIPS & GRANTS

### EPSRC Research Studentship, University of Edinburgh

2018-2022

# Women in Science Scholarship, King's College London

2015-2016

While working for non-profit arts and welfare rights organisations from 2006 to 2016, led successful bids for funding from bodies including The Scottish Arts Council (Creative Scotland), The National Lottery, The PRS Foundation, Glasgow City Council, and The University of Edinburgh's Knowledge Exchange Fund.

# REFEREE

Tom Leinster • Reader in Mathematics, University of Edinburgh • 0131 650 5057 • tom.leinster@ed.ac.uk