Riinu Ots

Curriculum Vitae
July 2019

PERSONAL DETAILS

Email	R.Ots@ed.ac.uk
Website	`https://riinu.me/`
R training	`http://healthyr.surgicalinformatics.org/`
GitHub	`https://github.com/riinuots/`
Main stack	R, shell, SQL, git, Hugo, bootstrap
Asteroid	25616 Riinuots

EDUCATION

PhD Environmental Chemistry 2012 - 2016
University of Edinburgh

Thesis: "High resolution modelling of particulate matter air quality over the UK"

BSc Physics 2009 - 2012
University of Tartu

WORK AND TEACHING EXPERIENCE

Senior Data Manager 2019 - current
Centre for Medical Informatics, Usher Institute, University of Edinburgh

Data Manager 2016 - 2019
Clinical Surgery, Deanery of Health Sciences, University of Edinburgh

Demonstrator and tutor 2013 - 2016
School of Geosciences, University of Edinburgh

Specialist in numerical modelling (Part-time: 0.1) 2012 - 2015
Laboratory of Atmospheric Physics, University of Tartu

Lab assistant in numerical modelling (Part-time: 0.4) 2010 - 2011
Laboratory of Atmospheric Physics, University of Tartu

Intern in air quality modelling Aug-Oct 2011
NERC Centre for Ecology&Hydrology, Edinburgh

Field Biologist Jun-Aug 2010
Estonian Fund for Nature, Estonia

GRANTS AND AWARDS

Wellcome: Open Research Fund 2019
HealthyR Notebooks: Democratising open and reproducible data analysis in resource-poor environments
£40,000

Principal's Teaching Award Scheme 2017
University of Edinburgh: For further development of `www.shinystats.org`
£5,000

Estonian Students Fund in USA 2014
PhD travel bursary
$3,000

Estonian Students Fund in USA 2013
PhD travel bursary
$2,000

PhD stipend 2012-2016
NERC-CEH fully funded studentship
£60,000

III award - Young researchers 2012
32nd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application, Work: "Scale-dependent and seasonal performance of SILAM model in Estonia"
$350

II award in Environmental Sciences 2009
Intel International Science and Engineering Fair, Work: "Implementation of Thermal Plume Rise in SILAM Atmospheric Dispersion Model":
$1,500
The award included the naming of an asteroid after me: 25616 Riinuots.

REVIEWING

Grant proposals: Cancer Innovation Challenge 2017- 2018
Organiser: The Data Lab

Peer-review 2016
Journal: Palgrave Communications

Peer-review 2016
Journal: Environmental Pollution

Students' Research Projects Competition 2012 - 2014
Organiser: Estonian Research Council

PRESENTATIONS AT INTERNATIONAL CONFERENCES

Plenary presentation — 2017, New York, US

"Reporting Apps"

REDCapCon - Research Electronic Data Capture conference

Poster presentation — 2017, Helsinki, Finland

"ShinyStats: A new, interactive and engaging way to tutor trainee surgeons in statistics"

Association for Medical Education in Europe (AMEE) conference

Demonstration — 2017, Manchester, UK

"HealthyR: R for healthcare data analysis"

Informatics for Health

Oral presentation — 2015, Montpellier, France

"Model-measurement comparisons of speciated primary and secondary organic aerosol in London"

34th International Technical Meeting on Air Pollution Modelling and its Application

Poster presentation — 2013, Miami, US

"Modelling Past and Future Changes in Secondary Inorganic Aerosol Concentrations in the UK."

33rd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application

Poster presentation — 2012, Utrecht, Netherlands

"Scale-Dependent and Seasonal Performance of SILAM Model in Estonia"

32nd NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application

Oral presentation — 2011, Kos, Greece

"Atmospheric transport model applied to understand the effect of biogenic emissions to secondary atmospheric aerosol in hemiboreal zone."

11th conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Kos, Greece

Poster presentation — 2010, Turin, Italy

"A Wintertime Local-to-Regional Scale Test Case Study of SILAM Model"

31st NATO/SPS International Technical Meeting on Air Pollution Modelling and its Application