

Academic Activities—Charlotte Moragh Jones-Todd

Invited Talks and Meetings

- A time to kill: Great British serial killers** September 2017
Royal Statistical Society Conference 2017, Glasgow
Invitation due to runner-up prize in the 2017 RSS Excellence in Early Career Writing Competition
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- Why spatial models are useful in ecology (understanding the mechanics of dots)** September 15th 2015
Young Statisticians Session
Statistische Woche 2015, Hamburg
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- Easy on the eyes: A spatio-temporal analysis of eye movement** September 9th 2015
RSS Challenge Winners Session
Royal Statistical Society Conference 2015, Exeter
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- INLA & SPDEs - Using latent Gaussian models to infer the spatial structure inherent in point patterns** April 1st 2015
University of Lisbon
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- Using INLA to fit complex spatial models to ecological data** April 1st 2015
University of Lisbon

Other Talks

- Shared latent fields for mark-dependence in a log-Gaussian Cox process** December 4th 2018
Australasian Applied Statistics Conference (AASC), Rotorua
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- Shared latent fields for mark-dependence in a log-Gaussian Cox process** July 4th 2018
International Statistical Ecology Conference (ISEC), St Andrews
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- Spatial Modelling (INLA and some other stuff)** March 16th 2018
NIWA, Wellington
.....
- What I do...** February 20th 2018
NIWA, Hamilton
.....
- Modelling spatio-temporal data** September 21st 2016
CREEM University of St Andrews
.....
- Modelling unusual spatial structures: An application to colorectal cancer data** July 25th 2016
University of Cape Town
.....
- A spatio-temporal marked point process model** July 1st 2016
International Statistical Ecology Conference (ISEC), Seattle
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- A spatio-temporal multi-species model** June 29th 2015
NCSE summer meeting, Falmouth
.....
- Terrorism in space and time** June 12th 2015
Spatial Statistics: Emerging Patterns, Avignon
.....
- Spatio-temporal modelling** April 30th 2015
Geo-Environmental Modelling Symposium, University of St Andrews
.....
- Spatial modelling: Its use in predictive policing** April 28th 2015
Workshop on Crime Pattern Analysis and Predictive Policing, Dundee

INLA & SPDEs: Using latent Gaussian models to infer the spatial structure inherent in point patterns <i>University of Lisbon</i>	April 1st 2015
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Using latent Gaussian models to infer the spatial structure inherent in point patterns <i>CREEM University of St Andrews</i>	January 1st 2015
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Spatial / spatio-temporal modelling <i>CREEM University of St Andrews</i>	August 29th 2014
.....	
The use of spatio-temporal models in intelligence-led policing <i>37th Research Students' Conference in Probability and Statistics, Nottingham</i>	April 30th 2014
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Fitting a spatial model to Atlantic salmon fry abundance data, using integrated nested Laplace approximation <i>CREEM University of St Andrews</i>	August 2013

Workshops Taught

Statistics and R Instructor <i>NIWA, Hamilton</i>	November–December 2018
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Keep going with Git Instructor <i>NIWA, Hamilton</i>	September 6th 2018
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Make your R code shiny... Instructor <i>NIWA, Hamilton</i>	May 10th 2018
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Get going with Git Instructor <i>NIWA, Hamilton</i>	March 15th 2018
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Introductory statistics course Tutor <i>The Namibia University of Science and Technology</i>	August 2nd - 5th 2016
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Statistics for spatial-temporal data: INLA and SECR Instructor & Demonstrator <i>Stellenbosch University</i>	July 27th 2016
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Challenges and perspectives in modelling the spatial dynamics of conflict and terrorism Presenter <i>University of St Andrews</i>	December 3rd 2015
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Using INLA to fit complex spatial models to ecological data Instructor <i>University of Lisbon</i>	April 1st 2015
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Minicourse: The SPDE approach flexible spatial modelling in practice Instructor <i>CREEM University of St Andrews</i>	Dec 3rd 2014

**Using the integrated nested Laplace approximation approach
to fit complex ecological models**

June 28th 2014

Demonstrator

International Statistical Ecology Conference (ISEC), Montpellier

Spatial modelling with INLA workshop

June 2nd – 4th 2014

Demonstrator

CREEM University of St Andrews

Posters

**A Bayesian approach to modelling fine-scale spatial dynamics of non-state
terrorism: world study, 2002-2013**

June 13th 2016

International Society for Bayesian Analysis (ISBA) conference , 3rd author

**Did “Operation Iraqi Freedom” work?
(A joint marked point process modelling approach)**

December 3rd 2015

*Challenges and Perspectives in Modelling the Spatial Dynamics of Conflict
and Terrorism*, St Andrews

Where did all the points go?

June 9th - 12th 2015

Spatial Statistics: Emerging Patterns, Avignon

The use of spatio-temporal ecological models in predictive policing

July 1st - 4th 2014

International Statistical Ecology Conference (ISEC), Montpellier

Preventing crime through spatial modelling

November 13th 2013

Scottish Institute for Policing Research (SIPR) Meeting, Edinburgh

Workshops Attended

What Are The Odds? An Interactive Workshop in Sports Modelling (ATASS), Exeter July 7th - 8th 2016

Point Processes (ISEC), Seattle

July 2nd - 3rd 2016

Flexible Programming with BUGS Models (NIMBLE) (ISEC), Seattle

June 27th 2016

Ecological Survey Spatial Modelling (ESSMod), St Andrews

March 21st - 22nd 2016

Software Carpentry, St Andrews

June 18th - 19th 2015

Teaching & Tutoring

Centre for Academic, Professional and Organisational Development (CAPOD) Course tutor - using R for statistics	2015-2016
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Centre for Academic, Professional and Organisational Development (CAPOD) dissertation support	2014-2015
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Student Support worker note-taker and examination scribe/reader	2014-2016
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Centre for Academic, Professional and Organisational Development (CAPOD) maths and statistics support	2013-2016
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Centre for Academic, Professional and Organisational Development (CAPOD) redesign of statistical support website	2013
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School of Mathematics and Statistics Undergraduate module marking	2013-2016
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MT1007 - Statistics in Practice	2014
.....	
MT2004 - Statistics	2014
.....	
MT1002 - Mathematics	2014
.....	
MT5753 - Statistical Modelling	2013
.....	
MT1001 - Introductory Mathematics	2013
.....	
MT1008 - Mathematical Information Technology	2013