Leto Peel

CONTACT INFORMATION

ICTEAM, Euler Building, Avenue Lemaître 4.

B-1348 Louvain-la-Neuve, Belgium

RESEARCH INTERESTS Machine Learning and Data Mining in Network Data Structures community detection, social network analysis, Bayesian statistics, graphical models, blockmodels, active learning, anomaly and change-point detection.

EDUCATION

University College London, London, UK

EngD, Virtual Environments, Imaging and Visualisation,

Mar 2009 - Aug 2013

E-mail: leto.peel@uclouvain.be

WWW: piratepeel.github.io

Twitter: @PiratePeel

• Thesis Topic: Predicting the Attributes of Nodes in Networks

Advisers: Dr Simon Julier, Prof John Shawe-Taylor
Examiners: Dr Mark Herbster, Dr Steve Gregory

University of Bristol, Bristol, UK

MEng., Knowledge Engineering,

Sep 2001 - Jul 2006

• Thesis Topic: Rule Based Uncertainty in the Semantic Web

Adviser: Prof Trevor Martin

EXPERIENCE

Université catholique de Louvain, Louvain-la-neuve, Belgium

FNRS Chargé de recherche

Oct 2017 to Sep 2020

• Project: Methods for detecting changes in the structure of complex networks

MOVE IN Louvain Research Fellow

Aug 2016 to Sep 2017

Project: Detecting the Large-scale Structures in Collections of Networks

Postdoctoral Research Associate

Aug 2015 to Aug 2016

Project: Mining and Optimization of Big Data Models

• Supervisor: Dr Jean-Charles Delvenne

Université de Namur, Namur, Belgium

Visiting Researcher

Aug 2015 to present

Supervisor: Dr Renaud Lambiotte

University of Colorado at Boulder, Boulder CO, USA

Postdoctoral Research Associate

Aug 2013 to Jul 2015

• Project: Statistical Inference for Detecting Structures and Anomalies in Networks

• Supervisor: Dr Aaron Clauset

University College London, London, UK

Postdoctoral Research Associate

Apr 2012 to Apr 2013

• Project: Crime, Policing and Citizenship

Supervisor: Prof John Shawe-Taylor

BAE Systems Advanced Technology Centre, Bristol, UK

Senior Research Scientist Jan 2011 to Dec 2011

Higher Research Scientist Jun 2008 to Dec 2010

Research Scientist Jul 2006 to May 2008

SHORT RESEARCH VISITS

University of Michigan, US (host: Jean-Gabriel Young)	Apr 2020
Umea University, Umea, SE (host: Martin Rosvall)	Oct 2019
 Universidad Rovira i Virgili, Tarragona, ES (host: Alex Arenas) 	Mar 2019
• ISC-Sapienza, Rome, IT (host: Antonio Scala)	Jan 2019
MIT, MA, US (host: Michael Schaub)	Mar 2018
 Tor Vergata, Rome, IT (host: Antonio lovanella) 	Feb 2018
CNRS, Paris, FR (host: Claire Lagesse)	Jul 2016
 Harvard School of Public Health, MA, US (host: Dan Larremore) 	Aug 2014
 Santa Fe Institute, NM, US (host: Cris Moore) 	Jan 2014

AWARDS

- Publons Peer Review Awards Top 1% in Field, 2018
- Best speaker award at the 5th Mediterranean School on Complex Networks, 2018
- 15th recipient of the prestigious Zachary Karate Club Club prize, 2018
- One of the 20 Best Reviewers at the 12th International AAAI Conference on Web and Social Media (ICWSM), 2018
- Best Oral Presentation Award at the 6th International Conference on Complex Networks and Their Applications, 2017
- 3rd in Best Student Paper Award at the 14th International Conference on Information Fusion (Prize USD 1000), 2011
- Received Honourable Mention in the category of Best Student Paper Award at the 13th International Conference on Information Fusion, 2010
- Winner of the IEEE Prognostics and Health Management Data Challenge, 2008 (IEEE GOLD Category) (Prize USD 2500)
- BAE SYSTEMS Bronze Chairman's Award for Innovation for Intelligent Fault Diagnosis Technologies, 2008
- L.N. Fryer Physics Prize, 2001

GOOGLE SCHOLAR

http://scholar.google.com/citations?user=GR-yASwAAAAJ&hl=en

REFEREED PUBLICATIONS

"Community detection in networks without observing edges"

T. Hoffman, **L. Peel**, R. Lambiotte, N. Jones *Science Advances*, 2020 **6** (4): eaav1478

Preprint featured on the PLOS Complexity Channel, Sept. 2018

(arXiv:1808.06079)

"Individual perception dynamics in drunk games"

A. Antonioni, L. A. Martinez-Vaquero, C. Mathis, L. Peel, M. Stella

Physical Review E, 2019 99 (5): 052311

Featured on the Physical Review E Kaleidoscope, May 2019

"The architecture of an empirical genotype-phenotype map"
J. Aguilar-Rodríguez, **L. Peel**, M. Stella, A. Wagner, J. Payne *Evolution*, 2018 **72** (6): 1242–1260

"Multiscale mixing patterns in networks"

L. Peel, J-C. Delvenne, R. Lambiotte

Proc. Natl. Acad. Sci. USA, 2018 115 (16): 4057-4062

(arXiv:1708.01236)

(arXiv:1807.08635)

"The ground truth about metadata and community detection in networks"

L. Peel, D. Larremore, A. Clauset

Science Advances, 2017 **3** (5): e1602548 (arXiv:1608.05878)

"Graph-based semi-supervised learning for relational networks"

L. Peel

SIAM Int. Conf. on Data Mining (SDM), Apr 27–29, 2017 (arXiv:1612.05001) Acceptance rate 26%

"Detectability thresholds and optimal algorithms for community structure in dynamic networks"

A. Ghasemianlangroodi, P. Zhang, A. Clauset, C. Moore, L. Peel

Physical Review X, 2016 **6** (3): 031005 (arXiv:1506.06179)

"Predicting sports scoring dynamics with restoration and anti-persistence"

L. Peel, A. Clauset

IEEE Int. Conf. on Data Mining (ICDM), Nov 14-17, 2015

Acceptance rate 18.2% (regular paper 8.4%)

"Detecting change points in the large-scale structure of evolving networks"

L. Peel, A. Clauset

AAAI Conf. on Artificial Intelligence (AAAI), Jul 25–30, 2015.

(arXiv:1403.0989)

(arXiv:1504.05872)

Acceptance rate 26.7%

"Active discovery of network roles for predicting the classes of network nodes"

L. Peel

Journal of Complex Networks, 2014 3 (3): 431-449.

(arXiv:1312.7258)

"Maritime anomaly detection using Gaussian process active learning"

K. Kowalska, L. Peel

Int. Conf. on Information Fusion (FUSION), July 9-12, 2012.

"Estimating parameters for selecting community detection algorithms"

L. Peel

Journal of Advances in Information Fusion. 6(2):119-130. 2011.

"Topological feature based classification"

L. Peel

Int. Conf. on Information Fusion (FUSION), Jul 5-8, 2011.

(arXiv:1110.4285)

3rd in Best Student Paper Award

"Capturing time-of-flight data with confidence"

M. Reynolds, J. Doboš, L. Peel, T. Weyrich, G.J. Brostow

IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), Jun 20–25, 2011.

Acceptance rate 26.4%

"Estimating parameters for selecting community detection algorithms"

L. Peel

Int. Conf. on Information Fusion (FUSION), Jul 26–29, 2010.

Honourable Mention for Best Student Paper Award

(arXiv:1010.5377)

Tionodiable Mention for Boot Gladent Lapor Award

"Data driven prognostics using a Kalman filter ensemble of neural network models"

L. Peel

IEEE Conf. on Prognostics and Health Management (PHM), October 6–9, 2008.

IEEE GOLD Winner of PHM Challenge 2008

OTHER PUBLICATIONS

"Dynamical Game Theory"

A. Antonioni, L. A. Martinez-Vaquero, N. Mathis, L. Peel, M. Stella

Proc. of the Santa Fe Institute Complex Systems Summer School (CSSS), 2014

"Change-point detection in temporal networks using hierarchical random graphs"

L. Peel. A. Clauset

ACM SIGKDD Works. on Outlier Detection & Description under Data Diversity (ODD² 2014), Aug 24, 2014.

"Supervised blockmodelling"

L. Peel

ECML/PKDD Works. on Collective Learning and Inference in Structured Data(CoLISD), Sep 28, 2012. (arXiv:1209.5561)

"Fast maritime anomaly detection using kd-tree Gaussian processes"

J. Will, L. Peel, C. Claxton

IMA Mathematics in Defense Conference, Oct 20, 2011.

PATENTS

L. Peel, Detecting a least one community in a network. *International Application No.: PCT/GB2011/050464*, Publication Date: 22.09.2011 International Filing Date: 09.03.2011

INVITED TALKS

 Dept. of Data Analytics and Digitalization, Maastricht University, NL, Institute of Interactive Systems and Data Science, TU Graz, AT, Institute of Data Science, Maastricht University, NL, Integrated Science Lab, Umea University, SE, Network Architecture and Systems Group, TU Delft, NL, 6th Mediterranean School of Complex Networks, Salina, IT, 5th Int. Conf. on Comp. Social Science (IC2S2), Amsterdam, NL, Int. Works. on Comp. Economics and Econometrics, Rome, IT, Department of Network and Data Science, CEU, Budapest, HU, Department of Economics, Ghent University, Ghent, BE, Research Group on the Analysis of Economic Policies, Rome, IT, University College London Financial Computing Seminar, UK, Dept. of Mathematical Sciences, Politecnico di Torino, IT, Telecommunications and microwaves seminar, KU Leuven, BE, Dynamics on and of Complex Networks XI, Thessaloniki, GR, 5th Mediterranean School of Complex Networks, Salina, IT, Int. Works. on Comp. Economics and Econometrics, Rome, IT, Fondazione Bruno Kessler, Trento, IT, Institute for Data Systems and Society, MIT, Cambridge, MA, US, Center for Data Science, New York Univ., New York, NY, US, Donnelly Centre, Univ. of Toronto, CA, University of Rome Tor Vergata, Rome, IT, Institute of Cognitive Sciences and Technologies, Rome, IT, 9th Int. Conf. of the ERCIM WG CMStatistics, Seville, ES, Networks Seminar, Dept. of Bus. Admin., Univ. of Zurich, CH, Dept. of Computer Science, Lancaster Univ., UK, Inference on Networks workshop, Santa Fe Institute, NM, US, AI Lab, Vrije Universiteit Brussel, BE, Meyers Lab, Dept. of Int Bio, Univ. of Texas, Austin, TX, US, Dynamical Systems Seminar, CU Boulder, CO, US, Invited Talk, Santa Fe Institute, NM, US, Euro. Partners Against Corruption 12th Conf	Feb 10, 2020 Feb 4, 2020 Nov, 29, 2019 Oct, 15, 2019 Oct, 4, 2019 Sep 6, 2019 Jul 20, 2019 Jul 3-5, 2019 Mar 18, 2019 Feb 28, 2019 Jan 25, 2019 Dec 14, 2018 Nov 14, 2018 Oct 5, 2018 Sep 27, 2018 Sep 27, 2018 Jun 26, 2018 Apr 11, 2018 Apr 11, 2018 Feb 28, 2018 Feb 28, 2018 Feb 28, 2018 Feb 20, 2018 Feb 20, 2018 Feb 21, 2018 Feb 20, 2018 Feb 20, 2016 Oct 25, 2016 Jul 26, 2016 Jul 21, 2016 Feb 1, 2016 Dec 14, 2015 Dec 3, 2015 Dec 18, 2014 Aug 29, 2014 Mar 20, 2014 Jan 10, 2014 Nov 22, 2012
UCL CPC Project Launch Event, Univ. College London, UK,	May 18, 2012
IEEE Conf. on Prognostics and Health Mgmt., Denver, CO, US,	Oct 6–9, 2008
 Complex Networks and their Applications, Lisbon, PT, Int. Conf. on Network Science (NetSci), Burlington, VT, US, 10th Conf. on Complex Networks (Complenet), Tarragona, ES, 8th Belgian Network Research Meeting, Hasselt, BE, Complex Networks and their Applications, Cambridge, UK, The 2018 Conf. on Complex Systems (CCS), Thessaloniki, GR, The 2018 Conf. on Complex Systems (CCS), Thessaloniki, GR, DATAM 2018, CCS Satellite, Thessaloniki, GR, People, places things, NetSci Satellite, Paris, FR, Statistical Inference for Network Models, NetSci Satellite, Paris, FR, 7th Belgian Network Research Meeting, Ghent, BE, 	Dec 12, 2019 May 29, 2019 Mar 19, 2019 Feb 22, 2019 Dec 12, 2018 Sep 25, 2018 Sep 24, 2018 Sep 26, 2018 Jun 12, 2018 Jun 11, 2018 Dec 6, 2017
Int. Conf. on Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and their Applications, Lyon, FR, The 2017 Of the Complex Networks and t	Dec 1, 2017
The 2017 Conf. on Complex Systems (CCS), Cancun, MX, The 2017 Conf. on Complex Systems (CCS), Cancun, MX,	Sep 19, 2017
The 2017 Conf. on Complex Systems (CCS), Cancun, MX, The 2017 Conf. on Complex Systems (CCS), Cancun, MY, The 2017 Conf. on Complex Systems (CCS), Con	Sep 19, 2017
The 2017 Conf. on Complex Systems (CCS), Cancun, MX, Int. Conf. on Network Science (NetSci), Indianancia, IN, US Int. Conf. on Network Science (NetSci),	Sep 18, 2017

CONTRIBUTED TALKS

Jun 21, 2017

Jun 20, 2017

Jun 19, 2017

Jun 9, 2017

Apr 28, 2017

Mar 23, 2017

• Int. Conf. on Network Science (NetSci), Indianapolis, IN, US,

• SIAM Int. Conf. on Data Mining (SDM), Houston, TX, US,

• Statistical Inference for Network Models works., NetSci2017, IN, US,

• Machine Learning Conf. of the Benelux (BeneLearn), Eindhoven, NL,

• Machine Learning in Network Science works., NetSci2017, IN, US,

8th Workshop on Complex Networks (CompleNet), Dubrovnik, HR,

 8th Workshop on Complex Networks (CompleNet), Dubrovnik, HR, The 2016 Conf. on Complex Systems (CCS), Amsterdam, NL, The 2016 Conf. on Complex Systems (CCS), Amsterdam, NL, Int. Conf. on Network Science (NetSci), Seoul, KR, IEEE Int. Conf. on Data Mining (ICDM), Atlantic City, NJ, US, 5th Belgian Network Research Meeting, Namur, BE, Outlier Detection & Description under Data Diversity, NY, US, Complex Systems Summer School, Santa Fe Institute, NM, US, Int. Conf. on Network Science (NetSci), Berkeley, CA, USA, Collective Learning and Inference in Structured Data, Bristol, UK, Int. Conf. on Information Fusion (FUSION), SG, Int. Conf. on Information Fusion (FUSION), Chicago, IL, US, 	Mar 21, 2017 Sep 22, 2016 Sep 22, 2016 Jun 1, 2016 Nov 17, 2015 Sep 30, 2015 Aug 24, 2014 Jul 3, 2014 Jun 5, 2014 Sep 28, 2012 Jul 9, 2012 Jul 6, 2011
 Int. Conf. on Information Fusion (FUSION), Edinburgh, UK, M. Faccin, L. Peel, A. Bovet, B. Chiem, L. Gutierrez Gomez, A. Medvedev, I The variability of network structures inferred from time series data. Confe 	-
 The variability of network structures inferred from time series data. Conference on Complex Neworks, December 2019 L. Peel, Graph-based semi-supervised learning for relational networks. SIAM International Conference on Data Mining, April 2017 L. Peel, D. Larremore, A. Clauset, The ground truth about metadata and community detection in networks. Conference on Complex Networks, December 2016 L. Peel, D. Larremore, A. Clauset, The ground truth about metadata and community detection in networks. 7th Workshop on Complex Networks, March 2016 L. Peel, A. Clauset, Detecting large-scale changes in the structure of evolving networks. 29th AAA Conference on Artificial Intelligence, January 26, 2015. T. Cheng, K. Bowers, P. Longley, J. Shawe-Taylor, R. Davenport, S. Moat, L. Peel, Crime, policin and citizenship. RCUK Global Uncertainties Ideas and Beliefs Showcase Event, October 1, 2012. L. Peel, Inference of abnormal behaviour in shipping vessels. CPC Launch Event, May 18, 2012. L. Peel, Topological feature based classification. Machine Learning Summer School, September 4–17, 2011. 	
Workshop support fund (WWCS18), Workshop organiser, (Co-organisers: S. Selakovic, Q. Feng, J. Garcia-Berr multiple sources: (Utrecht Uni. UNamur, Corpnet, CSS), 2018	7,500 EUR nardo)
Integrated response for infectious disease surveillance: Development and application TB control Technical and scientific manager, (Pls: J-C. Delvenne, M. Delmée, X. Mor Innoviris Team Up, 2017	1,133,717 EUR
Methods for detecting changes in the structure of complex networks Individual fellowship FNRS Chargé de Recherche, 2017-20	230,700 EUR
DataBeers Brussels Event organiser multiple sources: (VUB, ISACA, Dataminded, UCL, Dataiku, B&D), 2016-19	3,968 EUR

FUNDING

Conference Posters

Detecting large-scale structures in collections of networks 112,000 EUR

Individual fellowship

MOVE-IN Louvain (co-funded by Marie-Curie actions), 2016-7

Travel fellowships (total) 2,155 EUR

Individual travel fellowship

FNRS, 2015-7

Maritime wide area surveillance using AIS data 300,000 GBP

Project manager and technical lead

BAE Systems TTP, 2011

Role detection in networks 100,000 GBP

Project manager and technical lead

BAE Systems TTP, 2010

PRESS

· Community Detection

phys.org Jenna Marshall, May 4, 2017 (also in Science Newsline and Eurekalert)

Sports Scoring

Clyde Street Keith Lyons, February 21, 2017 Clyde Street Keith Lyons, August 5, 2017

· Crime, Policing and Citizenship

The Guardian Ami Sedghi, October 30, 2012

ACADEMIC SERVICE

Editorial

Academic Editor, PLOS ONE

2019 - present

Guest Editor, Applied Network Science Special Issue of the 6th International Workshop on Complex Networks and Their Applications 2018

Workshop Organiser

Network Reconstruction Science-athon

Co-organisers: Alexandre Bovet, Benjamin Chiem, Mauro Faccin, Leo Gutierrez, Alexey Medvedev, Mridul Seth

Beaumont, Belgium. August 2019

Winter Workshop on Complex Systems 2018

Co-organisers: Sanja Selakovic, Qingyi Feng, Javier Garcia-Bernardo

Utrecht, The Netherlands. February, 2018

Belgian Network Research Meeting (BeNet) 2016

Co-organisers: Sophie Béreau, Jean-Charles Delvenne, Yerali Gandica, Leo Gutierrez, Mauro Faccin, Michael Schaub

Louvain-la-neuve, Belgium. December, 2016

Conference on Complex Systems 2016 workshop on Coarse-graining Complex Systems

Co-organisers: Mauro Faccin, Renaud Lambiotte, Michael Schaub

Amsterdam, The Netherlands. September 21, 2016

NetSci 2015 2nd workshop on Statistical Inference for Network Models

Co-organisers: Aaron Clauset, Abigail Z. Jacobs and Dan Larremore

Zaragoza, Spain. June, 2015

NIPS 2014 workshop on Networks: From Graphs to Rich Data

Co-organisers: Edo Airoldi, David Choi, Aaron Clauset and Johan Ugander

Montreal, Quebec, Canada. December 13, 2014

NetSci 2014 workshop on Statistical Inference for Network Models

Co-organisers: Aaron Clauset, Abigail Z. Jacobs and Dan Larremore

Berkeley, California, USA. June 2, 2014

Technical Program Committee Member

International School and Conference on Network Science (NetSci-X)	2020
International Workshop on Machine Learning with Graphs (MLG)	2019
International Workshop on Dynamics on and of Networks (DYNO)	2018
SIAM Workshop on Network Science (NS)	2018
International Conference on Complex Networks (CompleNet)	2018, 2020
International Conference on Complex Networks and their Applications	2017 – 2019
Workshop on Data Science for Human Performance in Social Networks	2017
International Conference on Social Informatics (SocInfo)	2017 – 2018
International School and Conference on Network Science (NetSci)	2017, 2019
World Wide Web Conference (WWW)	2017 - 2020
AAAI Conference on Artificial Intelligence (AAAI)	2016 - 2020
AAAI Conference on Web and Social Media (ICWSM)	2016 - 2020
ACM International Conference on Web Search and Data Mining (WSDM)	2016
SDM Workshop on Mining Networks and Graphs	2015
ACM Web Science Conference (WebSci)	2014, 2020
International Conference on Information Fusion (FUSION)	2010 – 2012

Reviewer

Journals

Algorithms, Applied Network Science, BMC Bioinformatics, Chaos, Data Mining and Knowledge Discovery, Entropy, Europhysics Letters, IEEE Communications Magazine, Journal of Machine Learning Research, Journal of Statistical Mechanics, Nature Communications, Neural Computing and Applications, New Journal of Physics, PeerJ Computer Science, Physical Review E, Physical Review Letters, Physical Review X, PLOS One, PNAS, Proceedings of the IEEE, Science Advances, Scientific Reports, SIAM Journal on Applied Mathematics, Social Network Analysis and Mining, Soft Computing, Sustainability, Transactions on Knowledge Discovery from Data, Transactions on Network Science and Engineering, Transactions on Pattern Analysis and Machine Intelligence, Transactions on Signal Processing

Conferences

AAAI (2014, 2016-2020), CompleNet (2018, 2020), Complex Networks (2017-2019), FU-SION (2010-2012), ICWSM (2014-2019), NetSci (2017, 2019), NetSciX (2020), SocInfo (2017-2018), SC (2017-2018), WebSci (2014, 2020), WSDM (2016), WWW (2014-2015, 2017-2019)

Workshops

Benelux meeting on systems and control (2017), Belgian Network Research Meeting (2016), CCS Corse-graining complex systems (2016), Data Science for Human Performance in Social Networks (2017), NetSci workshop on Statistical Inference for Network Models (2014), NIPS workshop on Networks: From Graphs to Rich Data (2014), SDM Workshop on Mining Networks and Graphs (2015)

Other Service Roles Steering committee member Winter Workshop on Complex Systems	2018 – 2021
Publicity Chair International Conference on Complex Networks and Their Applications	2018 – 2019
Advisory panel member W. England Academic Health Science Network Digital Engagement Platform	2017 – 2018
Elected council member Complex Systems Society	2016 – 2019
Doctoral Students Matteo Cinelli (with A. Iovanella), Uni. of Rome Tor Vergata Leonardo Gutierrez Gomez (with J-C. Delvenne), ICTEAM, UCLouvain Amir Ghasemian (with A. Clauset), Comp. Sci., CU Boulder	2017 - 2019 2016 - 2019 2015 - 2016
Masters Students Kira Kowalska (intern), BAE Systems ATC / Eng. Maths, U. of Bristol	2011
Undergraduate Students	

TEACHING University Courses

STUDENT ADVISING

•	Algorithms in data science LINMA 2472 (Graduate)	Autumn 2019
	Lecturer – UCLouvain	
•	Algorithms in data science LINMA 2472 (Graduate)	Autumn 2018
	Lecturer – UCLouvain	
•	Algorithms in data science LINMA 2472 (Graduate)	Autumn 2017
	Lecturer – UCLouvain	
•	Integer Programming LINMA 2450 (Graduate)	Autumn 2015

2016

2016

2011 2009 – 2010

2008

Henri Devillez (with M. Faccin), Applied Maths, UCLouvain

Chris Howarth (intern), BAE Systems ATC / Maths, U. of Bath Robert Presley (intern), BAE Systems ATC / Maths, U. of Bath

Robert Cazaciuc (intern), BAE Systems ATC / Comp. Sci., U. of York

Margerie Huet (with M. Faccin), Elec. Eng., UCLouvain

Teaching Assistant – UCLouvain

Algorithms CSCI 3014 (Undergraduate)
 Guest Lecturer – University of Colorado

Networks CSCI 5352 (Graduate)

Guest Lecturer – University of Colorado
• Networks CSCI 5352 (Graduate)

Guest Lecturer – University of Colorado

Autumn 2014

Spring 2014

Autumn 2013

Tutorial Seminars

Network inference in practice.

Mediterranean School of Complex Networks, Salina, Italy. September, 2019

• Network inference in practice.

Mediterranean School of Complex Networks, Salina, Italy. September, 2018

Philosophy and practice of community detection

Winter Workshop on Complex Systems, Petnica Science Centre, Serbia. February 2017

Philosophy and practice of community detection
 AsCII Tutorial Seminar, UCLouvain, Belgium. March 2017

OUTREACH

DataBeers Brussels Founder and Organiser

2016 - present

with Jelena Grujic (VUB), Johan Loeckx (VUB), Eline Vanwalleghem (Hedera Insights), Marie Hargitt (Spreds) and Ramanuja Rao Kotaprolu (Infosys)

Recurring public outreach and networking event (http://databeers.brussels/)

• November 2019

Speakers: Radovan Parrak, Kris Vanherle, Sofia Papadimitriou

• September 2019

Speakers: Thomas Carette, Thomas Van Vaerenbergh, Thomas De Moor, Thomas Dalberto

• May 2019

Speakers: Geraint Wiggins, Aleksandra Vercauteren, Fariba Karimi, David Bol

March 2019

Speakers: Kevin Françoisse, Marina Radulaški, Bart Smeets, Ann Dooms

• January 2019

Speakers: Piia Karjalainen, Jelle Grammens, Danielle Marinazzo, Sarah Baatout

• October 2018

Speakers: Hannelore Aerts, Alexandre Bovet, Wouter Denayer, Arne Coutteau

May 2018

Speakers: Robert Calderbank, Ingrid Daubechies, Pierre-Henri Golard, Katrien Beuls, Gert de Geyter

• March 2018

Speakers: Luc Steels, Aimee Coelho, Julien Hendrickx, Maarten Lambrechts

January 2018

Speakers: Gautier Krings, Ellie D'Hondt, Michael Gillon, Genevieve Quek

November 2017

Speakers: Lisa Truyers, Leen Dieltjens, Karim Douieb, Baldwin Berges, Vsevolod Salnikov, Tias Guns

• September 2017

Speakers: Jerome Kunegis, Kris Peeters, Vassilis Syropoulos, Rosanna Kurrer

• May 2017

Speakers: Winnie Poncelet, Shamma Raghib, Daniel Perez, Bavo Van den Heuvel

November 2016

Speakers: Christina Makarona, Pierre Deville, Marc Vael, Pieter Colpaert

SCHOOLS AND COURSES ATTENDED

- Mediterranean School of Complex Networks, Sicily, 2015
- Summer Teaching as Research Institute for Post-docs in Engineering (STRIPE), University of Colorado, Boulder, Colorado, USA, 2014
- Complex Systems Summer School, Santa Fe Institute, Santa Fe, New Mexico, USA, 2014
- Machine Learning Summer School, MLSS Series, Bordeaux, France, 2011
- Pattern Analysis and Time Series Modelling, Aston University, Aston, UK, 2008
- Simultaneous Localisation And Mapping Summer School, SLAM Summer School Series, *Oxford, UK.* 2006
- PRINCE 2 Foundation and Practitioner Project Management, OCG, UK, 2006

HARDWARE AND Computer Programming:

SOFTWARE SKILLS • Python, Java, C++, JavaScript, SQL, Prolog, Fril, Hadoop, Html

Numerical Analysis:

• Numpy/Scipy, MATLAB, R

Desktop Editing and Production Software:

• Vim, Scite, T_EX (LAT_EX, BIBT_EX), Microsoft Office, OpenOffice.org, Google Docs, InkScape, D3.js, Matplotlib

Operating Systems:

• Microsoft Windows family, Linux