ALESSANDRO CHECCO
Curriculum Vitae
Ai fini della pubblicazione in ottemperanza all'art. 15 del D. Lgs. 33/2013

Part I – General Information

Full Name	Alessandro Checco
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience)
University graduation	2007	University of Roma "Tor Vergata"	B.Sc. (cum laude) in Models and Systems Engineering ("Ingegneria dei Modelli e dei Sistemi")
Postgraduate studies	2010	University of Roma "Tor Vergata"	M.Sc. (cum laude) in Models and Systems Engineering ("Ingegneria dei Modelli e dei Sistemi")
PhD	2015	Hamilton Institute, National University of Ireland, Maynooth	PhD in Applied Mathematics "Decentralised Algorithms for Wireless Networks"

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2015	2016	School of Computer Science Science and Statistics, Trinity College Dublin, Ireland	Postdoctoral Researcher
2016	2018	Information School, University of Sheffield, UK	Research Associate
2018	present	Information School, University of Sheffield, UK	Lecturer (Assistant Professor)

IIIB – Other Appointments

Start	End	Institution	Position
2011	2012	Bell Laboratories Ireland	Internship/visiting PhD

Part IV – Teaching experience

IIIA – Courses and Lectures

Year	Institution	Lecture/Course
2016-present	Information School, University of Sheffield, UK	Big Data Analytics course coordinator
2018-2019	University of Zurich	Social Computing course coordinator
2019-present	Information School, University of Sheffield, UK	Lectures in Business Intelligence, Introduction to Data Science, Data Mining
2020-present	Information School, University of Sheffield, UK	Data Science deputy programme coordinator

IIIB – Other teaching activities

Year	Description
2016-present	PhD supervision of 3 candidates. Completed PhD Supervision of 1 PhD candidate in Computer Science
2018-present	Member of the evaluation board for M.Sc. in Data Science, The University of Sheffield
2018-present	Dissertation supervisor of M.Sc. students in Data Science, about 20 students per year
2019-2020	Confirmation Review Examiner for 3 PhD candidates
2019-present	Employability officer of the Information School, The University of Sheffield
2020	PhD Viva reviewer for Evgeny Krivosheev, ICT Doctoral School, Trento, Italy, 2020
2021	Examining Board member in PhD Viva of Sergio Barachina Pompeu Fabra University

Part V - Society memberships, Awards and Honors

Year	Title
2012-present	Reviewer for several International Journals and conferences, including: Human Computation Journal, HT2020, AAAI, TKDE, HCOMP, WTMC, INRT, IEEE Communications Letters, SIGIR, ICWSM, WWW (The Web Conf), IEEE Journal on Selected Areas in Communications, Journal of Sensors, INFOCOM, IEEE Transactions on Vehicular Technology, IEEE PIMRC, International Workshop on Cyber Crime, IEEE Transactions on Communications, ACM MobiHoc, EURASIP Journal on Wireless Communications and Networking
2014	Invited Speaker "Decentralised Algorithms for Wireless Networks", at University of California, Los Angeles
2014	Invited Speaker "New Trends in Recommender Systems", EPFL, Lausanne
2014	Invited Speaker "Decentralised algorithms for satellite communication", ESA, Noordwijk, Netherlands
2014	"Fast Decentralised Graph Coloring", at Electrical and Computer Engineering Department, Urbana-Champaign Illinois
2015-2018	Programme Committee member of the International Workshop on Cyber Crime (IWCC)
2017	Member of the Wireless Networking group in Pompeu Fabra University, Barcelona, http://wnrg.upf.edu/people
2017	Invited Speaker "Human Computation and Crowdsourcing - Questions and Challenges" at Pompeu Fabra University, February 2017
2018-present	Member of the editorial board of the journal of Human Computation
2018	Invited Speaker "Decentralised Machine Learning for Crowdsourcing" at the University of Queensland, October 2018
2018	**Organiser and chair** of HCOMP 2018 workshop CrowdBias

2018	Programme Committee member of the Workshop on Bias in Information, Algorithms, and Systems at the iConference 2018 http://ir.shef.ac.uk/bias/cfp/
2018	Member of the Experts Europol Initiative *"Criminal Use of Information Hiding"*
2018	Programme Committee member of the AAAI Human Computation and Crowdsourcing Conference 2018 (HCOMP-18)
2018	Programme Committee member of WWW-2018
2019	**Best paper award** for paper *"All That Glitters is Gold - An Attack Scheme on Gold Questions in Crowdsourcing"* at Sixth AAAI Conference on Human Computation and Crowdsourcing (HCOMP-18)
2019	Member of Fairness, Accountability and Transparency network https://facctconference.org/network/
2019	**Organiser and chair** of 1st Symposium on Biases in Human Computation and Crowdsourcing, 2019 https://sites.google.com/sheffield.ac.uk/bhcc2019
2019	Organiser and chair of WWW 2019 workshop HumBL
2019	Invited Speaker at IJCAI conference, Macao, China, 2019
2019	Invited panelist at workshop "Everyday Data" https://data-activism.net/everyday-data/, Bremen 2019
2020	AAAI member
2020	**Honorable Mention Award** for paper *"CrowdCO-OP: Sharing Risks and Rewards in Crowdsourcing"* at ACM Human-Computer Interaction (CSCW 2020) conference
2020	Programme Committee member of NeurIPS 2020, Crowd Science Workshop
2020	**Work in Progress and Demonstrations chair** and PC member at HCOMP 2020 www.humancomputation.com
2020	Programme Committee member of UCS ISMRE 2020 (Information Security Methodology, Replication Studies and Information Security Education)
2020	Program Committee member of the 31st ACM Conference on Hypertext and Social Media (HT'20)
2020	**Chair** of 2nd International Workshop on Information Security Methodology and Replication Studies (IWSMR 2020)
2020	Programme Committee member of Wireless Sensor Networks for Precise Agriculture Workshop - WSN4PA 2020
2020	Programme Committee member of AAAI 2020
2020	Programme Committee and Steering Committee member of and 2nd Symposium on Biases in Human Computation and Crowdsourcing
2020	Invited panelist in FAT* conference, Barcelona 2020
2020	**Abilitazione Scientifica Nazionale** BANDO D.D. 2175/2018 SETTORE CONCORSUALE 01/B1 INFORMATICA, II fascia
2020	**Abilitazione Scientifica Nazionale** BANDO D.D. 2175/2018 SETTORE CONCORSUALE 09/H1 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI, II fascia
2021	**Associate Editor** for ECIS 2022 Track on AI in Information Systems Research and Practice
2021	Programme Committee member of the Web Conf (WWW) 2021
2021	Invited speaker, 3er Seminario Multidisciplinar en Ciencias e Ingeniería, Universidad Tecnica Federico Santa Maria, Chile, 2021
2021	Invited speaker at *"Good practices in the use of machine learning and AI by research funders"*, Research on Research Institute workshop, UK, 2021 to present **Nature Research journal** paper https://www.nature.com/articles/s41599-020-00703-8

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2016	Principal Investigator	Science Foundation Ireland/Enterprise Ireland Technology Innovation Development Award 2016 *"Automatic group learning recommender system"*	50 000 €
2017-2020	Principal Investigator (Project Coordinator)	EU Horizon 2020 Project "FashionBrain" https://fashionbrain-project.eu/	2.8 million €
2020	Principal Investigator	Royal Society UK International Exchanges Award *"A wireless sensor platform for advanced monitoring of crops in sustainable agriculture"*	12 000 €

Part VII – Research Activities

Keywords	Brief Description
Crowdsourcing	Crowdsourcing for Human Computation, Societal and Economic Analysis of Online Work, Crowd Workers Unionisation, Decentralised Machine Learning for Collective Intelligence tasks
Collective Intelligence	
Data Privacy	Machine Learning, Recommender Systems, Information Retrieval, Algorithmic Bias, AI-assisted peer review, Data Privacy, Distributed Systems, Decentralised Algorithm Design for Wireless Networks
Artificial Intelligence	
Wireless Networking	

Part VIII – Summary of Scientific Achievements

Attended over 40 international conferences, and served as invited speaker or panelist in 5 events (conferences, symposia or seminars).

Product type	Number	Data Base	Start	End
Papers [international]	28	Scopus (25) and Web of Science (3)	2010	2020
Papers [national]				
Books [scientific]	1 book chapter	Scopus	2010	2020
Books [teaching]				

Total Impact factor	29.96 (calculated on 11 journals with WoS impact factor at the year of publication)
Total Citations	192 (Scopus papers only)
Average Citations per Product	7.38 (Scopus papers only)
Hirsch (H) index	9 (Scopus papers only)
Normalized H index*	0.9 (Scopus papers only)

*H index divided by the academic seniority.

Part IX– Selected Publications

1. Checco, Alessandro, Jo Bates, and Gianluca Demartini. "Adversarial attacks on crowdsourcing quality control." Journal of Artificial Intelligence Research 67 (2020): 375-408. **IF: 2.441, citations: 0**

2. Faridi, Azadeh, Boris Bellalta, and Alessandro Checco. "Analysis of dynamic channel bonding in dense networks of WLANs." IEEE Transactions on Mobile Computing 16.8 (2016): 2118-2131. **IF: 4.098, citations: 26**

3. Checco, Alessandro, Giuseppe Bianchi, and Douglas J. Leith. "BLC: Private matrix factorization recommenders via automatic group learning." ACM Transactions on Privacy and Security (TOPS) 20.2 (2017): 1-25. **IF: 0.444, citations: 1**

4. Difallah, Djellel, et al. "Deadline-aware fair scheduling for multi-tenant crowd-powered systems." ACM Transactions on Social Computing 2.1 (2019): 1-29. **IF:[new journal], citations: 0**

5. Checco, Alessandro, and Douglas J. Leith. "Fair virtualization of 802.11 networks." IEEE/ACM Transactions on Networking 23.1 (2013): 148-160. **IF: 2.186, citations: 10**

6. Checco, Alessandro, and Doug J. Leith. "Fast, responsive decentralized graph coloring." IEEE/ACM Transactions on Networking 25.6 (2017): 3628-3640. **IF: 3.110, citations: 9**

7. Checco, Alessandro, and Douglas J. Leith. "Learning-based constraint satisfaction with sensing restrictions." IEEE Journal of Selected Topics in Signal Processing 7.5 (2013): 811-820. **IF: 3.629, citations: 9**

8. Bellalta, Boris, et al. "On the interactions between multiple overlapping WLANs using channel bonding." IEEE Transactions on Vehicular Technology 65.2 (2015): 796-812. **IF: 4.066, citations: 44**

9. Checco, Alessandro, and Douglas J. Leith. "Proportional fairness in 802.11 wireless LANs." IEEE Communications Letters 15.8 (2011): 807-809. **IF: 0.982, citations: 25**

10. Sarasua, Cristina, Alessandro Checco, Gianluca Demartini, Djellel Difallah, Michael Feldman, and Lydia Pintscher. "The evolution of power and standard Wikidata editors: comparing editing behavior over time to predict lifespan and volume of edits." Computer Supported Cooperative Work (CSCW) 28.5 (2019): 843-882. **IF: 1.672, citations: 2**

11. Han, Lei, Kevin Roitero, Ujwal Gadiraju, Cristina Sarasua, Alessandro Checco, Eddy Maddalena, and Gianluca Demartini. "The impact of task abandonment in crowdsourcing." IEEE Transactions on Knowledge and Data Engineering (2019). **IF: 4.935, citations: 0**

12. Checco, Alessandro, Carlo Lancia, and Douglas J. Leith. "Updating Neighbour Cell List via Crowdsourced User Reports: A Framework for Measuring Time Performance." Wireless Communications and Mobile Computing 2018 (2018). **IF: 1.396, citations: 0**

Part X – Dissemination and Public Engagement
- Interview "Using data to understand – and predict – fashion trends"
  https://cordis.europa.eu/article/id/418235-using-data-to-understand-and-predict-fashion-trends
- Blogpost article on FAT* Network about Biases in Crowdsourcing
  https://facctconference.org/network/
- Blogpost article on Everyday Data Workshop https://data-activism.net/everyday-data/
- H2020 project FashionBrain website with video interview https://fashionbrain-project.eu/

Luogo e data Sheffield, 05.02.2021   Alessandro Checco