

Curriculum Vitae - dr. C.N. van der Wal
(last update: 26 March 2019)

dr. C. Natalie van der Wal

EU Marie Sklodowska-Curie Senior Research Fellow
Centre for Decision Research
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Short bio. Natalie van der Wal is an interdisciplinary Marie Sklodowska-Curie Senior Research Fellow at the Centre for Decision Research, Leeds University Business School. Her mission is to improve safety and well-being by preventing risky crowd behaviours during emergencies and promoting positive psychology interventions to enhance well-being. She aims for human-centred design, immersive technologies and evidence-based research improving evacuation speed, survival rate and physical and mental health. She is specialised in computational modelling of group decision-making, as well as behavioural experiments in emergency communication research and well-being interventions. She shows strong leadership in her current project 'EVACUATION' that aims to improve speed and survival in emergency evacuations, through the combined insights from agent-based computer modelling, risk communication/decision research, and an advisory board of emergency responders. This project follows her previous European H2020 project 'IMPACT', in which she determined the role of culture on emergency prevention and management. She is qualified as an excellent university teacher and accelerating education by applying new technologies in her teaching. She works with Professor Wändi Bruine de Bruin in the Centre for Decision Research and the Leeds University Business School. Previously she worked as an Assistant Professor at the dept. of Computer Science, Vrije Universiteit, NL, a Senior Research Fellow at the Socio-Technical Centre of the Leeds University Business School, UK, and as a Researcher at CAMS Forcevision, Royal Dutch Navy, NL.

Research interests: evacuation research; crowd behaviour; social influence; physical and mental health; well-being interventions; modelling and simulation; immersive technologies; behavioural experiments.

EDUCATION

- 2012 *Ph.D. Artificial Intelligence and Psychology*, Vrije Universiteit Amsterdam, Netherlands
- 2009 *M.Sc. Cognitive Science (with honours)*, Vrije Universiteit Amsterdam, Netherlands
- 2007 *B.Sc. Cognitive and Clinical Neuropsychology*, Vrije Universiteit Amsterdam, Netherlands
- 2004 *M.A. Media and Culture*, University of Amsterdam, Netherlands
- 2003 *B.A. Media and Culture*, University of Amsterdam, Netherlands

ACADEMIC POSITIONS

- 2018-to date EU Marie Sklodowska-Curie Senior Research Fellow, Centre for Decision Research, Leeds University Business School, United Kingdom
H2020 EU project leader of interdisciplinary, human-centered research improving speed and survival rate of evacuations
- 2012-2018 Assistant Professor, Dept. of Computer Science, Vrije Universiteit, Amsterdam, Netherlands
H2020 EU WP leader of interdisciplinary, evidence-based research determining cultural effects on emergency management and health effects of well-being interventions applying laughter and meditation, teaching and supervising students in social computing
- 2015-2015 Senior Research Fellow, Socio-Technical Centre, Leeds University Business School, UK
Project leader determining socio-technical factors in level crossings accidents
- 2009-2012 Ph.D. Student, Dept. of Computer Science, Vrije Universiteit Amsterdam, Netherlands
CAMS Forcevision, Royal Dutch Navy, Amsterdam, Den Helder, Netherlands
Interdisciplinary research in human-centered computer modelling of group decision making and well-being interventions

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PUBLICATIONS

- Google Scholar h-index: 11, 798 citations.
- The first author is not always the lead author, as authors can be in alphabetical order (a working principle in the Behavioural Informatics group, where van der Wal has worked).
- In Computer Science, conference proceedings are similar to journal articles

PEER-REVIEWED PUBLICATIONS (total: 37)

1. Adrian, J., Amos, M., Baratchi, M., Beermann, M., Bode, N., ... Zuriguel, I. (2019) A Glossary on Research on Human Crowd Dynamics. *Collective Dynamics*, 4(A19), 1-13. <https://doi.org/10.17815/CD.2019.19>
2. **van der Wal, C.N.**, Kok, R.N. (2019). Laughter-Inducing Therapies: A Systematic Review and Meta-Analysis. *Social Science and Medicine*, <https://doi.org/10.1016/j.socscimed.2019.02.018>.
3. Irrmischer, M., **van der Wal, C.N.**, Mansvelder, H.D., Linkenkaer-Hansen, K. (2018). Negative Mood and Mind Wandering Increase Long-range Temporal Correlations in Attention Fluctuations. *PLOS ONE*. 13(5):e0196907. <https://doi.org/10.1371/journal.pone.0196907>
4. Chohra, A., Madani, K., **van der Wal, C.N.** (2018, September). Group Affect in Complex Decision-Making Systems: from Psychology to Computer Science Perspectives. In *Proceedings of the International Conference on Computational Collective Intelligence* (pp. 222-233). Springer, Cham.
5. Formolo, D., Bosse, T., **van der Wal, C.N.** (2018). Studying the Impact of Trained Staff on Evacuation Scenarios by Agent-Based Simulation. In *Proceedings of the International Conference on Social Informations* (pp.85-96). Springer, Cham.
6. Jutte, B., **van der Wal, C.N.** (2018). Modelling of Emotional Contagion in Soccer Fans. *Transactions on Computational Collective Intelligence*, 30, 25-53.
7. **C. N. van der Wal**, D. Formolo, M.A. Robinson, M. Minkov, T. Bosse. (2017). IMPACT: socio-cultural evacuation model with emotion contagion and social group-decision making. *Transactions on Computational Collective Intelligence*, 27, 139-177.
8. Bosse, T., Duell, R., Memon, Zulfiqar. A., Treur, J., **van der Wal, C. N.** (2016). Computational Model-Based Design of Leadership Support Based on Situational Leadership Theory. *Simulation: Transactions of the Society for Modeling and Simulation International*. 93(7), 605-617.
9. Bosse, T., Duell, R., Memon, Z., Treur, J., **van der Wal, C.N.** (2015). Agent-Based Modelling of Emotion Contagion in Groups, *Cognitive Computation Journal*, 7, 111-136.
10. Middelweerd, A., Mollee, J. S., **van der Wal, C. N.**, Brug, J., & te Velde, S. J. (2014). Apps to promote physical activity among adults: a review and content analysis. *International Journal of Behavioral Nutrition and Physical Activity*, 11(1), 97.
11. **van der Wal, C.N.** and Kowalczyk, W. (2013). Detecting Changing Emotions in Human Speech by Machine and Humans. *Applied Intelligence*, 39(4), 675-691.
12. Bosse, T., Hoogendoorn, M., Klein, M.C.A., Treur, J., **van der Wal, C.N.**, and van Wissen, A. (2012). Modelling Collective Decision Making in Groups and Crowds: Integrating Social Contagion and Interacting Emotions, Beliefs and Intentions. *Autonomous Agents and Multi-Agent Systems Journal*, 27, 52-84.
13. Hoogendoorn, M., Treur, J, **van der Wal, C.N.**, van Wissen, A. (2011). Agent-Based Modelling of the Emergence of Collective States Based on Contagion of Individual States in Groups. *Transactions on Computational Collective Intelligence*, 3, 152-179.
14. Formolo, D., **van der Wal, C.N.** (2017). Simulating Collective Evacuations with Social Elements. In *Proceedings of the International Conference on Computational Collective Intelligence* (pp.766-777). Springer Verlag.
15. Formolo, D., **van der Wal, C.N.** (2017). An Adaptive Simulation Tool for Evacuation Scenarios. In *Proceedings of the EPIA Conference of Artificial Intelligence* (pp. 28-40). Springer Verlag.
16. Medeiros, L., **van der Wal, C.N.** (2017). An Agent-based Model Predicting Group Emotion and Misbehaviours in Stranded Passengers. In *Proceedings of the 18th EPIA Conference on Artificial Intelligence* (pp. 620-627). Springer Verlag.
17. **van der Wal, C.N.** Formolo, D., Bosse, T. (2017). IMPACT: an agent-based evacuation model with social contagion mechanisms. In *Proceedings of the 30th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, IEA/AIE'17* (pp. 620-627). Springer Verlag.
18. **van der Wal, C.N.** Couwenberg, M., Bosse, T. (2017). Getting Frustrated: Modelling Emotion Contagion in Stranded Passengers. In *Proceedings of the 30th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, IEA/AIE'17* (pp. 611-619). Springer Verlag.
19. **C.N. van der Wal**, A. Hermans, T. Bosse (2017). Inducing Fear: Cardboard Virtual Reality and 2D Video. In *Proceedings of the International Conference on Human-Computer Interaction, HCI 2017*, 10271(1), 711-720.
20. B. Jutte & **C.N. van der Wal** (2016). Cognitive Modelling of Emotion Contagion in a Crowd of Soccer Supporter Agents. In *Proceedings of the 8th International Conference on Computational Collective Intelligence, ICCCI 2016* (pp. 40-52). Springer, Cham.
21. **C.N. van der Wal**, M. Irrmischer. (2015). Measuring Emotion Regulation with Single Dry Electrode Brain Computer Interface. In *Proceedings of the Brain Informatics and Health Conference 2015*. (pp. 181-191). Springer, Cham.

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22. **C.N. van der Wal**, M. Irmischer. (2015). Myndplay: Measuring Attention Regulation with Single Dry Electrode Brain Computer Interface. In *Proceedings of the Brain Informatics and Health Conference 2015* (pp. 192-201). Springer, Cham.
23. Mollee, J.S. and **van der Wal**, C. N. (2013). A Computational Agent Model of Influences on Physical Activity Based on the Social Cognitive Theory. In *Proceedings of the 16th International Conference on Principles and Practice of Multi-Agent Systems, PRIMA'13* (pp. 478-485). Springer Verlag.
24. Aziz, A.A., Treur, J., and **van der Wal**, C.N. (2012). An Ambient Agent Model for Support of Informal Caregivers During Stress. In *Proceedings of the 25th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE'12* (pp. 501-513). Springer Verlag.
25. Boersma, K, Passenier, D., Mollee, J. and **van der Wal**, C.N. (2012). Crisis Management Evaluation: Formalisation & Analysis of Communication During Fire Incident Amsterdam Airport Train Tunnel. In *Proceedings of the 26th European Conference on Modelling and Simulation, ECMS'12*. (pp. 325-331). doi:10.7148/2012
26. Kowalczyk, W. and **van der Wal**, C.N. (2012). Detecting Changing Emotions in Natural Speech. In *Proceedings of the 25th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE'12* (pp. 491-500). Springer Verlag.
27. Aziz, A.A., Treur, J., and **van der Wal**, C.N. (2011). An Agent-Based Model for Integrated Contagion and Regulation of Negative Mood. In *Proceedings of the 14th International Conference on Principles and Practice of Multi-Agent Systems, PRIMA'11* (pp. 83-96). Springer Verlag.
28. Bosse, T., Chandra, V., Mitleton-Kelly, E. and **van der Wal**, C.N. (2011). Analysis of Beliefs of Survivors of the 7-7 London Bombings: Application of a Formal Model for Contagion of Mental States. In *Proceedings of the 18th International Conference on Neural Information Processing, ICONIP'11* (pp. 423-434). Springer verlag.
29. Bosse, T., Hoogendoorn, M., Klein, M.C.A., Treur, J., and **van der Wal**, C.N., (2011). Agent-Based Analysis of Patterns in Crowd Behaviour Involving Contagion of Mental States. In *Proceedings of the 24th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, IEA/AIE'11* (pp. 566-577). Springer verlag.
30. Hoogendoorn, M., Treur, J., **van der Wal**, C.N., and van Wissen, A. (2010). Modelling the Interplay of Emotions, Beliefs and Intentions within Collective Decision Making Based on Insights from Social Neuroscience. In: *Proceedings of the 17th International Conference on Neural Information Processing, ICONIP'10* (pp. 196-206). Springer Verlag.
31. Hoogendoorn, M., Treur, J., **van der Wal**, C.N., and van Wissen, A. (2010). An Agent-Based Model for the Interplay of Information and Emotion in Social Diffusion. In *Proceedings of the 10th IEEE/WIC/ACM International Conference on Intelligent Agent Technology, IAT'10* (pp. 439-444). IEEE Computer Society Press.
32. Hoogendoorn, M., Treur, J., **van der Wal**, C.N., and van Wissen, A. (2010). Modelling the Emergence of Group Decisions Based on Mirroring and Somatic Marking. In *Proceedings of the Second International Conference on Brain Informatics, BI'10* (pp. 29-41). Springer verlag.
33. Aziz, A.A., Treur, J., and **van der Wal**, C.N. (2010). Modelling Caregiving Interactions During Stress. In *Proceedings of the Second International Conference on Brain Informatics, BI'10* (pp. 263-273). Springer verlag.
34. Bosse, T., Duell, R., Memon, Z.A., Treur, J., and **van der Wal**, C.N. (2009). A Multi-Agent Model for Mutual Absorption of Emotions. In *Proceedings of the 23th European Conference on Modelling and Simulation, ECMS'09* (pp. 212-218). European Council on Modelling and Simulation.
35. Duell, R., Memon, Z.A., Treur, J., and **van der Wal**, C.N. (2009). An Ambient Agent Model for Group Emotion Support. In *Proceedings of the Third International Conference on Affective Computing and Intelligent Interaction, ACII'09* (pp. 550-557). IEEE Computer Society Press.
36. Bosse, T., Duell, R., Memon, Z.A., Treur, J., and **van der Wal**, C.N. (2009). An Ambient Agent Model for Group Development Support. In *Proceedings of the 9th IEEE/WIC/ACM International Conference on Intelligent Agent Technology, IAT'09* (pp. 505-510). IEEE Computer Society Press.
37. Bosse, T., Duell, R., Memon, Z.A., Treur, J., and **van der Wal**, C.N. (2009). A Multi-Agent Model for Emotion Contagion Spirals Integrated within a Supporting Ambient Agent Model. In *Proceedings of the 12th International Conference on Principles of Practice in Multi-Agent Systems, PRIMA'09* (pp. 48-67). Springer Verlag.

BOOKS, BOOK CHAPTERS, RESEARCH MONOGRAPHS, EU PROJECT REPORTS (total: 9)

1. **Wal, C.N. van der**, Formolo, D., Medeiros, L., Robinson, M. (2017). D2.4 – Structured Simulations with the Single Agent Domain Model. IMPACT Project, report for the European Commission. Retrieved from: www.impact-csa.eu
2. **Wal, C.N. van der**, Formolo, D., Robinson, M., Bosse, T. (2017). D2.3 – Internal and External Validation of the Computational Agent-based Model. IMPACT Project, report for the European Commission. Retrieved from: www.impact-csa.eu
3. **Wal, C.N. van der**, Formolo, D., Medeiros, L., (2017). D2.2 – Computational Agent-based Crowd Model. IMPACT Project, report for the European Commission. Retrieved from: www.impact-csa.eu
4. **Wal, C.N. van der**, Robinson, M., Cichomska, K., Minkov, M., Dambra, C., Tedeschi, A & Rozzi, S. (2016). D2.1 – Synthesis of Theoretical Framework and Translation into Conceptual Model. IMPACT Project, report for the European Commission. Retrieved from: www.impact-csa.eu
5. Cichomska, K., Robinson, Minkov, M., M. A., Davis, M., Blagoev, V., **van der Wal**, C.N., Karbownik, A., Sengur, F., Turhan, U., Giuricin, A., Dambra, C., Rozzi, S., Tedeschi, A & Golfetti, A. (2016). D1.3 – Theoretical Framework of Cross-Cultural and Psycho-Social Crowd Behaviour and Management in Transport Terminals. IMPACT Project, report for the European Commission. Retrieved from: www.impact-csa.eu

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6. Robinson, M. A., Cichomska, K., Davis, M., Minkov, M., Blagoev, V., **van der Wal, C.N.**, Turhan, U., Karbownik, A., Giuricin, A., Rozzi, S., & Tedeschi, A. (2015). D1.1 – Review and Critical Analysis of Multi-Cultural Crowd Behaviour in Emergencies. IMPACT Project, report for the European Commission. Retrieved from: www.impact-csa.eu
7. Bosse, T., Hoogendoorn, M., Sharpanskykh, A., Treur, J., **Wal, C.N. van der**, Wissen, A. Van. (2013). Agent-based Modelling of Social Emotional Decision Making in Emergency Situations. In: Mitleton-Kelly, E. (Ed.), Co-evolution of Intelligent Socio-technical Systems: Modelling and Applications in Large Scale Emergency and Transport Domains. Springer Verlag.
8. Duell, R., Memon, Z.A., Treur, J., and **Wal, C.N. van der**. (2012). Ambient Support for Group Emotion: an Agent-Based Model. Chapter in T. Bosse (ed.), Agent-Based Approaches to Ambient Intelligence. IOS Press, pp. 261-288.
9. **Wal, C.N. van der**. (2012). Social Agents. Agent-Based Modelling of Integrated Internal and Social Dynamics of Cognitive and Affective Processes. Ph.D. Thesis. ISBN 978-90-8570-783-7.

SELECTED NEWSPAPERS, OTHER MEDIA (total: 11)

1. 2019, February, Network Magazine Leeds University Business School, “In Case of Emergency...”
2. 2019, January, Online Magazine ‘Vive+’: “Laughter really is healthy”
3. 2018, December, Magazine & Online Platform ‘Brandveilig.com’: “Evacuation Behaviours: do’s and don’ts”
4. 2018, May, Magazine & Online Platform ‘Brandveilig.com’: “Social and Cultural Factors in Evacuation Simulations”
5. 2017, November, Dutch Newspaper ‘De Volkskrant’: ‘An evacuation model that takes human behaviour into account’
6. 2017, November, live interview Bloomberg TV: ‘The role of culture in emergency prevention and management’
7. 2015, January, Dutch Magazine ‘Lach!Magazine’ article about my positive psychology laughter intervention research
8. 2014, Sept, Dutch Newspaper ‘de Volkskrant’, column “Ware Wetenschap”
9. 2013, April & May, Dutch Newspaper ‘de Volkskrant’, column “Ware Wetenschap”
10. 2012, May, Dutch Radio BNR and Radio 5, radio-interviews about my group decision-making research
11. 2011, May, Dutch magazine and internet platform ‘Quest’, movie of my affective computing research

INVITED PRESENTATIONS (total: 23)

1. ‘Modelling and Simulation of Social Evacuations’, workshop on pedestrian dynamics, University of Warwick, UK, 25-02-2019
2. ‘Risky Decisions and Risk Communication in Emergency Situations’, Centre for Decision Research Seminar, University of Leeds, UK, 06-02-2019
3. Participated in workshop ‘Physics and Psychology of Human Crowd Dynamics’, University of Leiden, NL, 05-11-2018-09-11-2018
4. ‘How to write a grant proposal’, UK Research Office Marie Curie Individual Fellowship Event, University of Leeds, UK, 16-5-2018
5. ‘Technologies for Crowd Monitoring’, N8 Policing Research Partnership, Leeds University Business School, UK, 16-5-2018
6. ‘Modelling Crowd Behaviour’ at University of Amsterdam, Netherlands, 21-11-2017
7. ‘Modelling Group Decision in Evacuating Crowds’ in Public Transport, Seminar Group Decision Making, WSB University, Wroclaw (Poland), 24/11/2017
8. ‘Simulating Socio-Cultural Crowd Behaviour in Emergency Situations’, Keynote@PFIA2017, Caen, 6-7-2017
9. ‘Modelling Cultural Effects on Group Decisions in Emergency Situations in Public Transport, Seminar Group Decision Making, WSB University, Wroclaw (Poland), 25/11/2016
10. ‘Modelling Crowds: Crowd Models and Experiments’ at University of Amsterdam, Netherlands, 09-12-2016
11. ‘Scientific Laughter: Research on the Effects of laughter’ at Amsterdam Laughter Conference, Netherlands, 13-11-2016
12. Integrating socio-psychological theories in agent-based models of emergency situations in transport. EAWOP, Small Group Meeting, Verona (Italy), 15/09/2016
13. ‘Studying Laughter: Laughter Yoga in Scientific Research’, International Laughter Yoga Congress, Paris (France), 06-03-2015
14. ‘Studying Laughter: Laughter Yoga in Scientific Research,’ National Laughter Yoga Congress, Lisse, Netherlands, 24-01-2015
15. Emotional Contagion in Groups & Social Networks, BMS-ANed, Scientific Biometric Association, Wageningen University, (Netherlands), 17-12-2014
16. ‘Leading Ladies in ICT’, VHTO & NWO Networking Conference, Amsterdam (Netherlands), 24-11-2014

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17. 'AI-applications: Agent-based modelling for a Healthy Lifestyle', Centre for Neurogenomics and Cognitive Research, Amsterdam, 13-1-2014
18. "Showcase: Crowd Modelling and Emotion Recognition from Speech" at 'BrainStorm', VU University, 11-03-2013
19. 'AI Applications: Human Ambience Research', Centre for Neurogenomics and Cognitive Research, Amsterdam, 14-1-2013
20. 'Agent-based Modelling of Social Group Dynamics', Centre for Neurogenomics and Cognitive Research, Amsterdam, 24-1-12
21. 'Agent-based Modelling of Emotion Contagion', Centre for Neurogenomics and Cognitive Research, Amsterdam, 14-1-2011
22. 'Human Ambience Research and Applications' at Hogeschool van Amsterdam, 04-10-2011:
23. 'Agent-based Modelling of Crowds Spreading Beliefs, Intentions and Emotions', Centre for Neurogenomics and Cognitive Research, Amsterdam, 14-1-2010

PRESENTATIONS PEER-REVIEWED INTERNATIONAL ACADEMIC MEETINGS (total: 10)

1. Subjective Probability, Utility, and Decision Making, SPUDM 2019, (Amsterdam, Netherlands)
2. European Conference on Multi-Agent Systems, EUMAS2017, (Evry, France)
3. International Conference on Industrial, Engineering and other Applications of Applied Intelligent Systems, IEA/AIE2017 (Arras, France)
4. International Conference on Computational Collective Intelligence, ICCCI2017, (Nicosia, Cyprus)
5. International Conference on Human-Computer Interaction, HCI2017, (Vancouver, Canada)
6. International Conference on Neural Information Processing, ICONIP2010 (Sydney, Australia)
7. International Conference on Brain Informatics, BI2010 (Toronto, Canada)
8. International Conference on Intelligent Agent Technology IAT2010 (Toronto, Canada)
9. International Conference on Affective Computing and Intelligent Interaction, ACII 2009 (Amsterdam, Netherlands)
10. International Conference on Intelligent Agent Technology, IAT 2009 (Milan, Italy)

PROGRAM COMMITTEE MEMBERSHIPS/REVIEWER (total: 36)

1. 11th International Conference on Computational Collective Intelligence (ICCCI) 2019
2. 20th International Workshop on Multi-Agent-Based Simulation (MABS) 2019
3. 41th Annual Meeting of the Cognitive Science Society (CogSci) 2019
4. 19th International Workshop on Multi-Agent-Based Simulation (MABS) 2018
5. 17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS2018)
6. 40th Annual Meeting of the Cognitive Science Society (CogSci) 2018
7. 10th Asian Conference on Intelligent Information and Database Systems (ACIIDS) 2018
8. 29th Benelux Conference on Artificial Intelligence (BNAIC) 2017
9. 39th Annual Meeting of the Cognitive Science Society (CogSci) 2017
10. 28th Benelux Conference on Artificial Intelligence (BNAIC) 2016
11. 38th Annual Meeting of the Cognitive Science Society (CogSci) 2016
12. EuroAsianPacific Joint Conference on Cognitive Science (EAPCogSci) 2015
13. 37th Annual Meeting of the Cognitive Science Society (CogSci) 2015
14. 16th International Workshop on Multi-Agent-Based Simulation (MABS) 2015
15. 3rd ASE International Conference on Social Informatics (SocInfo) 2014
16. 36th Annual Meeting of the Cognitive Science Society (CogSci) 2014
17. 4th Brazilian Workshop on Social Simulation (BWSS) 2012
18. 3rd International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH) 2013
19. 7th International Symposium on INnovations in Intelligent SysTems and Applications (INISTA) 2013
20. International Conference on Active Media Technology (AMT) 2013
21. 35th Annual Meeting of the Cognitive Science Society (CogSci) 2013
22. 26th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, (IEA/AIE) 2013
23. 2nd International Conference on Social Eco-Informatics (SOTICS) 2012
24. 24th Benelux Conference on Artificial Intelligence (BNAIC) 2012
25. 26th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, (IEA/AIE) 2013
26. Active Media Technology (AMT'12) 2012
27. 3rd Brazilian Workshop on Social Simulation (BWSS) 2012
28. International Symposium on Innovations in Intelligent Systems and Applications (INISTA) 2012
29. 1st Workshop on Rights and Duties of Autonomous Agents at the European Conference on Artificial Intelligence (ECAI) 2012.

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30. International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems (IAE-AIE) 2012
31. 13th International Workshop on Multi-Agent-Based Simulation (MABS) 2012
32. 2nd International Conference on Simulation and Modelling Methodologies, Technologies and Applications (SIMULTECH) 2012
33. IEEE World Congress on Computational Intelligence (WCCI) 2012, Special Session in Social Network Analysis and Mining
34. 6th IEEE International Workshop on Engineering Semantic Agent Systems (ESAS) 2012
35. International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems (IAE-AIE) 2011
36. Social Simulation and Modelling Track at the Portuguese AI Conference (EPIA) 2011

JOURNAL REVIEWER (total: 7)

1. Safety Science
2. Algorithms
3. Simulation Modelling Practice and Theory
4. Complex Adaptive Systems Modelling
5. Advances in Systems Science and Applications
6. Computers & Graphics
7. Entertainment Computing

CONFERENCE CHAIRS (total: 4)

8. Session Chair International Conference on Computational Collective Intelligence (ICCCI) 2017
9. Session Chair International Conference on Human-Computing Interaction (HCI) 2017
10. Sponsoring Chair, The 28th Benelux Conference on Artificial Intelligence (BNAIC 2016)
11. Session Chair, Brain Informatics Conference (BI) 2010

AWARDS, PRIZES AND RECEIVED FUNDING (total: 13)

1. Active Grant: EU H2020 Marie Curie IF Fellowship project EVACUATION, March 2018 – 2020, PI, €200.000
2. Best paper award for group evacuation decision-making research, ICCCI 2017 (Formolo & van der Wal, 2017)
3. EU H2020 CSA, 'IMPACT' Project determining cultural factors influencing emergency management, May 2015-Oct 2017, co-PI, €220.000 (from total €1.600.000)
4. Leeds University Business School Funding for meta-review on Laughter-Inducing Therapies, 2019, £2500
5. Leeds University Business School Funding for well-being research on positive psychology intervention, 2019, £800
6. NWO Open Access Funding for BNAIC conference, 2016, €2500
7. NWO Foreign Expert Funding for BNAIC conference, 2016, €2250
8. Funding through Sponsors of the BNAIC conference, 2016, €12500
9. Postdoc Travel Grant Van Coeverden Adriani Stichting for my group decision-making research, 2012, €5000
10. Best poster award SOC-INFO 2018 for emergency communication research (Formolo, Bosse & van der Wal, 2018)
11. Best paper nomination IEA-AIE 2012 for affective computing research (Kowalczyk and van der Wal, 2012)
12. Student-Researcher position awarded based on research qualities in agent-based modelling (2008-2009)
13. Official role model for young girls and women in ICT, through the organization, 'VHTO' (2012-2017)
14. Chosen from a large pool of researchers for newspaper column 'True Science' in Dutch newspaper 'De Volkskrant': multiple articles about my theoretical and applied research on reward mechanisms and healthy eating, 2016
15. Appearance: start of construction new university building (2014)

SUPERVISING, MENTORING, COMMITTEE AND TEACHING EXPERIENCE (total: 5)

1. University Teacher Training Degree received with the highest qualification 'excellent' (2011)
2. I am constantly engaged in the improvement of the curriculum of the Lifestyle Informatics and Artificial Intelligence tracks at the bachelor and master level as a member of multiple committees:
 - a. Chair and Member of Teacher Team Computer Science
 - b. Active Member of PR Computer Science
 - c. Active Member Education Committee
 - d. Co-Chair of the Postdoc-Assistant Professor meetings
3. I teach an average of two courses per year, all my evaluations are above Faculty level
 - a. Project Lifestyle Informatics (Bachelor Lifestyle Informatics, 2010-2014)
 - b. Human Ambient Intelligence (master Artificial Intelligence, 2012-2013)
 - c. Social Psychology (Bachelor Information Multimedia & Management, 2014-2017)
4. I have (co-)supervised 25 students since 2012, who I mentored to successfully finish their studies and find a job at a leading company with the help of my network.
 - a. 3 Ph.D. Students (Artificial Intelligence)
 - b. 10 master students (Neuroscience, Artificial Intelligence, Psychology)
 - c. 12 bachelor students (Lifestyle Informatics, Biomedical Science)

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5. I have followed the Academic Leadership Course for Females at the Vrije Universiteit in 2013. I have transferred my learned knowledge as a mentor for female AI students through the program 'mentoring circles' supported by the organization VHTO. VHTO aims for more women in STEM topics and ICT and I have been an official role model since 2009, performing interviews and presentations at workshops and activities for young women in science.