IYAD RAHWAN

MIT Media Lab, 75 Amherst St., Cambridge MA 02139, USA, `irahwan[-at-]mit.edu`

This version: April 8, 2017

AT A GLANCE

Web	Personal page: `www.mit.edu/~irahwan`
	Scholar profile: `http://scholar.google.com/citations?user=yKCX2IUAAAAJ`
Personal	Born: 1978, Citizenship: Australia, Syria
Degree	Ph.D. University of Melbourne, Australia, 2005
Position	(Sept 2015 –) Associate Professor, The Media Lab, **MIT**, USA
Impact	h-index = 34, Citations = 4,020+ (Google Scholar) as of 3/2017
Selected Papers	J.-F. Bonnefon, A. Shariff, I. Rahwan (2016). *The Social Dilemma of Autonomous Vehicles*. **Science**. 352(6293):1573-1576.
	I. Rahwan, et al (2014). *Analytical reasoning task reveals limits of social learning in networks*. **J. Royal Society Interface**. 11(93).
	A. Rutherford, M. Cebrian , S. Dsouza, E. Moro, A. Pentland, I. Rahwan (2013). *Limits of Social Mobilization*. **PNAS**, 110(16) pp 6281-6286
	A. Mani, I. Rahwan, A. Pentland (2013). *Inducing Peer Pressure to Promote Cooperation*. **Scientific Reports**. 3(1735)
	I. Rahwan, et al (2013). *Global Manhunt Pushes the Limits of Social Mobilization*. **IEEE Computer**, 46(4) 68-75.
	G. Pickard, W. Pan, I. Rahwan, M. Cebrian, R. Crane, A. Madan, A. Pentland (2011). *Time-Critical Social Mobilization*. **Science**. 334(6055) 509-512.
	I. Rahwan, et al (2010). *Behavioural Experiments for Assessing the Abstract Argumentation Semantics of Reinstatement*. **Cognitive Science**. 34(8) 1483-1502
	I. Rahwan et al (2007). *Laying the Foundations for a World Wide Argument Web*. **Artificial Intelligence**, 171(10-15) 897-921
Selected Media	**New York Times** (2016) Should Your Driverless Car Hit a Pedestrian to Save Your Life?
	Wall Street Journal (2016) With Driverless Cars, a Safety Dilemma Arises
	Washington Post (2015) What if your self-driving car decides one death is better than two – and that one is you?
	MIT Technology Review (Best of 2015): Why Self-Driving Cars Must Be Programmed to Kill
	Nature News/Scientific American (2013) Crowdsourcing in manhunts can work
	NBC News (2013) Facebook passes research test for quick responses, collaboration
	The Economist (2012) Six degrees of mobilization
	MSNBC (2011) How MIT team won balloon search-and-rescue challenge

PRINCIPAL FIELDS OF INTEREST

Computational Social Science; Social Networks; Data Science; Crowdsourcing; Cognitive Science; Behavioral Economics; Game Theory; Argumentation; Social Learning; Artificial Intelligence.

EDUCATION

University of Melbourne, Australia, PhD, Information Systems (Artificial Intelligence)   2005
Advisor: Prof. Liz Sonenberg
Thesis title: Interest-based Negotiation in Multi-Agent Systems

Swinburne University, Melbourne, Australia, Masters in Information Technology,   2000

UAE University, UAE, B.Sc. in Computer Science (honours), GPA 3.9/4,   1999

ACADEMIC POSITIONS

Associate Professor of Media Arts & Science, The Media Lab   09/2015–
Massachusetts Institute of Technology, Cambridge MA, USA
Other MIT appointments:

   – **AT&T Career Development Professor**   07/2015–06–2018
   – **Affiliate Faculty**, Institute for Data, Systems & Society (IDSS)   07/2016–06/2018

Associate Professor, Computing & Information Science   1/2012–08/2015
Masdar Institute of Science & Technology, Abu Dhabi, UAE

Assistant Professor, Computing & Information Science   2/2010–12/2011
Masdar Institute of Science & Technology, Abu Dhabi, UAE

Honorary Fellow, School of Informatics, *University of Edinburgh*   02/2005–present

Visiting Scholar, Media Lab (with Alex 'Sandy' Pentland)   04/2010–10/2010
Massachusetts Institute of Technology (MIT), Cambridge MA   06/2011–08/2011

Research Affiliate, Technology & Development Program   10/2010–12/2011
Massachusetts Institute of Technology (MIT)

Lecturer / Senior Lecturer, Informatics, *British University in Dubai*   11/2004–2/2010

HONORS & AWARDS

Finalist, Telecom Italia Big Data Challenge, top 10 out of 652 teams   03/2014

Winner, "Tag Challenge", sponsored by US Department of State   04/2012

Best Technical Paper Award
9th International Conference on Electronic Commerce (ICEC), Minneapolis, MN   08/2007

European Master of Informatics Scholar, University of Edinburgh   08/2006–2008
European Commissions Erasmus Mundus Programme

UAE Crown Prince Sheikh Khalifa Al-Nahyan academic excellence award   04/2000

SELECTED MEDIA COVERAGE

Science Magazine. Computers learn to cooperate better than humans   2017
Washington Post. The big moral dilemma facing self-driving cars   2017
FiveThirtyEight. This Machine Was Built To Give You Nightmares   2016
Boston Globe. MIT's 'Nightmare Machine' transforms photos into creepy images   2016
The Atlantic. The Nightmare Machine   2016
Financial Times. Driverless cars and MIT's test of the crowdsourcing morality   2016
New York Times. Should Your Driverless Car Hit a Pedestrian to Save Your Life?   2016
Wall Street Journal. With Driverless Cars, a Safety Dilemma Arises   2016

Time Magazine. New Study Reveals We're Utterly Conflicted About Driverless Cars	2016
The Guardian. Will your driverless car be willing to kill you to save the lives of others?	2016
Le Monde. Le dilemme macabre des voitures autonomes	2016
El Pais. ¿Comprarías un coche que elegirá matarte para salvar otras vidas?	2016
Der Spiegel. Was soll Ihr Auto jetzt tun?	2016
La Repubblica. Guida autonoma, chi vive e chi muore? Il dilemma del MIT diventa un quiz	2016
Washington Post. What if your self-driving car decides one death is better than two - and that one is you?	2015
BBC World Service. Should self-drive cars kill their passengers to save pedestrians?	2015
MIT Tech. Review. Best of 2015: Why Self-Driving Cars Must Be Programmed to Kill	2015
Daily Mail. Is Twitter making you stupid?	2014
Nature News/Scientific American. Crowdsourcing in manhunts can work	2013
New Scientist. Nowhere to hide: The next manhunt will be crowdsourced	2013
ABC. Social media has limited mobilisation power	2013
NBC News. Facebook passes research test for quick responses, collaboration	2013
MIT Tech. Review. '12 Hours of separation' connect individuals on social networks	2013
The Economist. Six degrees of mobilization	2012
Popular Science. How to track down international jewel thieves via Facebook	2012
MSNBC. How MIT team won balloon search-and-rescue challenge	2011
Popular Mechanics. What DARPA's scavenger hunt taught us about mobilizing people fast	2011

PUBLICATIONS

In Submission / Preprints

1. I. Rahwan. *Society-in-the-loop: Programming the algorithmic social contract.*

2. M. R. Frank, L. Sun, M. Cebrian, H. Youn, I. Rahwan. *Small Cities Face Greater Impact from Automation.*

3. J.-F. Bonnefon, A. Shariff, I. Rahwan. *Psychological obstacles to the adoption of self-driving cars.*

4. A. Alabdulkareem, M. R. Frank, L. Sun, B. AlShebli, C. Hidalgo, I. Rahwan. *Skill Polarization and Economic Inequality.*

5. E. Awad, M. Kleiman-Weiner, S. Dsouza, J.-F. Bonnefon, A. Shariff, J. B. Tenenbaum, I. Rahwan. *Moral responsibility across levels of vehicle automation.*

6. M. R. Frank, N. Obradovich, L. Sun, S. Dsouza, P.J. Chang, W. L. Woon, B. L. LeVeck, I. Rahwan. *Cooperative reciprocity is widespread in international relations.*

7. A. Rutherford, M. Cebrian, I. Rahwan., Y. Lupu, B. LeVeck, M. Garcia-Herranz. *Inferring Mechanisms for Global Constitutional Progress.*

8. J. W. Crandall, M. Oudah, F. Ishowo-Oloko, S. Abdallah, J.-F. Bonnefon, M. Cebrian, A. Shariff, M. A. Goodrich, I. Rahwan. *Cooperating with Machines.* **arXiv:1703.06207**

Editorials in Major Newspapers & Magazines

1. A. Shariff, I. Rahwan, J.-F. Bonnefon (2016). *Whose Life Should Your Car Save?.* **New York Times (Gray Matter)**

2. M. Cebrian, I. Rahwan, A. Pentland (2017). *Beyond Viral: Generating Sustainable Value From Social Media.* **Sloan Management Review**

Journal Articles

1. E. Awad, J.-F. Bonnefon, M. Caminada, T. Malone, I. Rahwan (2017). *Experimental Assessment of Aggregation Principles in Argumentation-enabled Collective Intelligence.* **ACM Transactions on Internet Technology**. (in press)

2. E. Awad, M. Caminada, G. Pigozzi, M. Podlaszewski, I. Rahwan. *Pareto Optimality and Strategy Proofness in Group Argument Evaluation.* **Journal of Logic and Computation**. (in press)

3. E. Awad, R. Booth, F. Tohmé, I. Rahwan (2017). *Judgment Aggregation in Multi-Agent Argumentation.* **Journal of Logic and Compuation**. *27(1): 227-259.*

4. A. Hiassat, A. Diabat, I. Rahwan (2017). *A genetic algorithm approach for location-inventory-routing problem with perishable products.* **Journal of Manufacturing Systems**. 42:93–103.

5. I. Rahwan (2017). *Towards Scalable Governance: Sensemaking and Cooperation in the Age of Social Media.* **Philosophy & Technology**. (in press)

6. J.-F. Bonnefon, A. Shariff, I. Rahwan (2016). *The Social Dilemma of Autonomous Vehicles.* **Science**. 352(6293):1573-1576.

   – *Press:* New York Times, Wall Street Journal, Washington Post, CNN, Scientific American, Time, The Guardian, Wired, LA Times, IEEE Spectrum, Forbes, New York Magazine, BBC Radio, The Independent, Popular Science, etc..

   – *Media impact (measured by Altmetrics as of Jan 2017):*
     – In top-100 most discussed scientific articles in 2016 (ranked 33rd out of 2.7 million);
     – 10th most covered *Science* article to-date (out of 37,064);
     – 123rd most covered research output ever by the media to-date (out of 6.9 million).

7. H. Chen, I. Rahwan, M. Cebrian (2016). *Bandit Strategies in Social Search: the case of the DARPA Red Balloon Challenge.* **EPJ Data Science**. 5:20

8. M. Cebrian, I. Rahwan, A. Pentland (2016). *Beyond Viral.* **Communications of the ACM**. 59(4):36-39.

9. A. Alshamsi, F. Pianesi, B. Lepri, A. Pentland, I. Rahwan (2016). *Network Diversity and Affect Dynamics: The Role of Personality Traits.* **PLOS ONE**. 11(4): e0152358.

10. A. Alshamsi, F. Pianesi, B. Lepri, A. Pentland, I. Rahwan (2015). *Beyond contagion: Reality mining reveals complex patterns of social influence.* **PLOS ONE**. 10(8): e0135740.

11. A. Alshamsi, E. Awad, M. Almehrezi, V. Babushkin, P.-J. Chang, Z. Shoroye, A.-P. Toth, I. Rahwan (2015). *Misery Loves Company: Happiness and Communication in the City.* **EPJ Data Science**. 4:7.

12. N. Stefanovitch, A. Alshamsi, M. Cebrian, I. Rahwan (2014). *Error and attack tolerance of collective problem solving: The DARPA Shredder Challenge.* **EPJ Data Science**. 3(13):1–27.

13. I. Rahwan, D. Krasnoshtan, A. Shariff, and J. F. Bonnefon (2014). *Analytical reasoning task reveals limits of social learning in networks.* **Journal of the Royal Society Interface**. 11(93).

14. S. Abdallah, R. Sayed, I. Rahwan, B. LeVeck, M. Cebrian, A. Rutherford, and J. Fowler (2014). *Corruption Drives the Emergence of Civil Society.* **Journal of the Royal Society Interface**. 11(93).

15. A. Rutherford, M. Cebrian , S. Dsouza, E. Moro, A. Pentland, and I. Rahwan (2013). *Limits of Social Mobilization.* **Proceedings of the National Academy of Sciences**, 110(16):6281-6286

16. A. Rutherford, M. Cebrian, I. Rahwan, S. Dsouza, J. McInerney, V. Naroditskiy, M. Venanzi, N. R. Jennings, J.R. deLara, E. Wahlstedt, S. U. Miller (2013). *Targeted social mobilization in a global manhunt.* **PLOS ONE** 8(9): e74628

   – *Press:* The Economist, Nature, Scientific American, New Scientist, Popular Science.

17. A. Mani, I. Rahwan, and A. Pentland (2013). *Inducing Peer Pressure to Promote Cooperation.* **Scientific Reports**. 3(1735)

18. I. Rahwan, S. Dsouza, A. Rutherford, V. Naroditskiy, J. McInerney, M. Venanzi, N. R. Jennings, M. Cebrian (2013). *Global Manhunt Pushes the Limits of Social Mobilization.* **IEEE Computer**, 46(4):68-75

19. S. DSouza, Y. Gal, P. Pasquier, S. Abdallah, and I. Rahwan (2013). *Reasoning about Goal Revelation in Human Negotiation.* **IEEE Intelligent Systems**. 28(2):74-80

20. V. Naroditskiy, I. Rahwan, M. Cebrian, N. R. Jennings (2012). *Verification in Referral-Based Crowdsourcing.* **PLOS ONE**, 7(10): e45924.

21. G. Pickard, W. Pan, I. Rahwan, M. Cebrian, R. Crane, A. Madan, A. Pentland(2011). *Time-Critical Social Mobilization.* **Science**. 334(6055):509-512.
    [Joint-first author; Impact factor = 31.027]

22. I. Rahwan, B. Banihashemi, C. Reed, D. Walton and S. Abdallah (2011). *Representing and Classifying Arguments on the Semantic Web.* **The Knowledge Engineering Review**. 26(4):487-511

23. I. Rahwan and K. Larson (2011). *Logical Mechanism Design.* **The Knowledge Engineering Review**. 26(1):61-69

24. P. Pasquier, R. Hollands, I. Rahwan, F. Dignum and L. Sonenberg (2011). *An Empirical Study of Interest-based Negotiation.* **Autonomous Agents & Multiagent Systems**. 22(2):249-288

25. I. Rahwan, M. I. Madakkatel, J. F. Bonnefon, R. N. Awan and S. Abdallah (2010). *Behavioural Experiments for Assessing the Abstract Argumentation Semantics of Reinstatement.* **Cognitive Science**. 34(8):14831502

26. C. Guttmann, M. Georgeff and I. Rahwan (2010). *Collective Iterative Allocation: Enabling Fast and Optimal Group Decision Making.* **Web Intelligence & Agent Systems**. 8(1):1-35.

27. N. Karunatillake, N. R. Jennings, I. Rahwan and P. McBurney (2009). *Dialogue Games that Agents Play within a Society.* **Artificial Intelligence**. 173(9-10):935-981.

28. I. Rahwan, P. Pasquier, L. Sonenberg and F. Dignum (2009). *A Formal Analysis of Interest-based Negotiation.* **Annals of Mathematics & Artificial Intelligence**. 55(3-4):253- 276.

29. B. Subagdja, L. Sonenberg and I. Rahwan (2009). *Intentional Learning Agent Architecture.* **Autonomous Agents & Multiagent Systems**. 18(3):417-470.

30. I. Rahwan (2008). *Mass Argumentation and the Semantic Web.* **Web Semantics**. 6(1):29-37.

31. I. Rahwan, F. Zablith and C. Reed (2007). *Laying the Foundations for a World Wide Argument Web.* **Artificial Intelligence**, 171(10-15):897-921.

32. I. Rahwan, L. Sonenberg, N. R. Jennings and P. McBurney (2007). *STRATUM: A Methodology for Designing Heuristic Agent Negotiation Strategies.* **Applied Artificial Intelligence**. 21(6):489-527.

33. C. Chesnevar, J. McGinnis, S. Modgil, I. Rahwan, C. Reed, G. Simari, M. South, G. Vreeswijk and S. Willmott (2006). *Towards an Argument Interchange Format.* **The Knowledge Engineering Review**. 21(4):293-316.

34. I. Rahwan, T. Juan and L. Sterling (2006). *Integrating Social Modelling and Agent Interaction through Goal-Oriented Analysis.* **Computer Systems Science & Engineering**. 21(2).

35. I. Rahwan, S. D. Ramchurn, N. R. Jennings, P. McBurney, S. Parsons and L. Sonenberg (2003). *Argumentation Based Negotiation.* **The Knowledge Engineering Review**. 18(4):343-375.

Journal Editorials (Special Issues Edited)

1. F. Grasso, I. Rahwan, C. Reed, and G. R. Simari (2010). *Introducing Argument & Computation.* **Argument & Computation**. 1(1):1-5.

2. I. Rahwan, P. McBurney (2007). *Guest Editors' Introduction: Argumentation Technology.* **IEEE Intelligent Systems**. 22(6):21-23

3. I. Rahwan (2005). *Guest Editorial: Argumentation in Multi-Agent Systems.* **Autonomous Agents & Multiagent Systems**. 11(2)115-125.

Papers in Highly Refereed Archival Conferences

1. R. Booth, M. Caminada, P. E. Dunne, M. Podlaszewski, I. Rahwan (2014). *Complexity Properties of Critical Sets of Arguments.* In: Proc. Int. Conference on Computational Models of Argument (**COMMA**), Pitlochry.

2. R. Booth, E. Awad, and I. Rahwan (2014). *Interval Methods for Judgment Aggregation in Argumentation.* In: Proc. 14th Int. Conference on Principles of Knowledge Representation and Reasoning (**KR**), Vienna.

3. R. Booth, M. Caminada, M. Podlaszewski and I. Rahwan (2012). *Quantifying Disagreement in Argument-based Reasoning.* In: Proc. Int. Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Valencia.

4. F. Ishowo-Oloko, P. Vytelingum, N. Jennings, I. Rahwan (2012). *A Storage Pricing Mechanism for Learning Agents in the Masdar City Smart Grid.* In: Proc. Int. Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Valencia.

5. I. Rahwan, F. Jahedpari, and S. Abdallah (2010). *The Dynamics of Two Cognitive Heuristics for Coordination on Networks.* In: Proc. IEEE Int. Conference on Social Computing (**SocialCom**), Minneapolis

6. S. Pan, K. Larson and I. Rahwan (2010). *Argumentation Mechanism Design for Preferred Semantics.* In: Proc. Int. Conference on Computational Models of Argument (**COMMA**), Italy

7. I. Rahwan, J. F. Bonnefon, M. I. Madakkatel, R. N. Awan and S. Abdallah (2010). *Experiments for Assessing Floating Reinstatement in Argument-based Reasoning.* In: Proc. Annual meeting of the Cognitive Science Society (**CogSci**), Portland, OR.

8. I. Rahwan and F. Tohmé (2010). *Collective Argument Evaluation as Judgement Aggregation.* In: Proc. Int. Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Toronto.

9. A. Belesiotis, M. Rovatsos and I. Rahwan (2010). *Agreeing on Plans through Iterated Disputes.* In: Proc. Int. Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Toronto.

10. M. I. Madakkatel, I. Rahwan, J. F. Bonnefon, R. N. Awan and S. Abdallah (2009). *Formal Argumentation and Human Reasoning: The Case of Reinstatement.* In: Proc. AAAI Fall Symposium on the Uses of Computational Argumentation, Washington DC.

11. I. Rahwan, K. Larson and F. Tohmé (2009). *A Characterisation of Strategy-Proofness for Grounded Argumentation Semantics.* In: Proc. Int. Joint Conference on Artificial Intelligence (**IJCAI**), Pasadena, CA.

12. Y. Gal, S. D'souza, P. Pasquier, I. Rahwan and S. Abdallah (2009). *The Effects of Goal Revelation on Computer-Mediated Negotiation.* In: Proc. Annual meeting of the Cognitive Science Society (**CogSci**), Amsterdam.

13. A. Alshamsi, S. Abdallah and I. Rahwan (2009). *Multiagent Self-Organization for a Taxi Dispatch System.* In: Proc. Int. Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Budapest.

14. I. Rahwan and K. Larson (2008). *Pareto Optimality in Abstract Argumentation.* In: Proc. AAAI Conference on Artificial Intelligence (**AAAI**). California, CA.

15. I. Rahwan and K. Larson (2008). *Mechanism Design for Abstract Argumentation.* In: Proc. Int. Conference on Autonomous Agents and Multiagent Systems (**AAMAS**). Estoril.

16. I. Rahwan and B. Banihashemi (2008). *Arguments in OWL: A Progress Report.* In A. Hunter (Ed.), Proc. Int. Conference on Computational Models of Argument (**COMMA**), Toulouse.

17. I. Rahwan, F. Zablith, and C. Reed (2007). *Towards Large Scale Argumentation Support on the Semantic Web.* In: Proc. AAAI Conference on Artificial Intelligence (**AAAI**).

18. I. Rahwan, P. Pasquier, L. Sonenberg, and F. Dignum (2007). *On the Benefits of Exploiting Underlying Goals in Argument-based Negotiation.* In: Proc. AAAI Conference on Artificial Intelligence (**AAAI**).

19. P. Pasquier, L. Sonenberg, I. Rahwan, F. Dignum, R. Hollands (2007). *An Empirical Study of Interest-based Negotiation.* In: Proceedings of 9th Int. Conference on Electronic Commerce (**ICEC**), Minnesota.
    *** Winner of the Best Technical Paper Award ***

20. C. Guttmann, I. Rahwan, and M. Georgeff (2007). *A Study of a Collective Agent Modelling Approach to Iterative Task Allocation.* In: Proc. IEEE/WIC/ACM Int. Conference on Intelligent Agent Technology (**IAT**).

21. P. Pasquier, I. Rahwan, F. Dignum and L. Sonenberg (2006). *Argumentation and Persuasion in the Cognitive Coherence Theory.* In Proc. Int. Conference on Computational Models of Argument (**COMMA**), IOS Press, Amsterdam, pp 223-234.

22. I. Rahwan and P. V. Sakeer (2006). *Towards Representing and Querying Arguments on the Semantic Web.* In Proc. Int. Conference on Computational Models of Argument (**COMMA**), IOS Press, Amsterdam, pp 3-14.

23. B. Subagdja, I. Rahwan and L. Sonenberg (2006). *Learning as Abductive Deliberations.* In Proc. Pacific Rim Int. Conference on Artificial Intelligence (**PRICAI**) Guilin, China.

24. I. Rahwan, L. Amgoud (2006). *An Argumentation-based Approach for Practical Reasoning.* In Proc. Int. Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Hakodate, Japan.

25. N. Karunatillake, N. R. Jennings, I. Rahwan and S. D. Ramchurn (2006). *Managing Social Influences through Argumentation-based Negotiation.* In Proc. Int. Joint Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Hakodate, Japan.

26. N. Karunatillake, N. R. Jennings, I. Rahwan and T. Normal (2005). *Argument-based Negotiation in a Social Context.* In Proc. Int. Conference on Autonomous Agents and Multiagent Systems (**AAMAS**).

27. N. Karunatillake, N. R. Jennings, I. Rahwan and T. Norman (2005). *Arguing and Negotiating in the Presence of Social Influences.* In Proc. Int. Central and Eastern European Conference on Multi-Agent Systems (**CEEMAS**)

28. I. Rahwan, F. Koch, C. Graham, J. A. Kattan and L. Sonenberg (2005). *Goal-directed Automated Negotiation for Supporting Mobile User Coordination.* In Proc. Int. and Interdisciplinary Conference on Modeling and Using Context (**CONTEXT**), Paris.

29. I. Rahwan, L. Sonenberg and F. Dignum (2003). *Towards Interest-Based Negotiation.* Proc. Int. Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Melbourne, Australia

30. R. Ashri, I. Rahwan and M. Luck (2003). *Architectures for Negotiating Agents.* Proc. Int. Central and Eastern European Conference on Multi-Agent Systems (**CEEMAS**).

31. I. Rahwan, R. Kowalczyk and H. H. Pham (2002). *Intelligent Agents for Automated One-to-Many E-Commerce Negotiation.* In Proc. Australasian Computer Science Conference (ACSC), Melbourne, Australia.

Papers / Abstracts / Posters in Non-Archival Proceedings

1. L. Coviello, M. Franceschetti, I. Rahwan (2015). *Limits of Friendship Networks in Predicting Epidemic Risk*, Workshop on Information in Networks, (**WIN**), New York.

2. A. Shariff, J.-F. Bonnefon, A.-P. Toth, I. Rahwan (2015). *Tragedy of the Forum: Social visibility distorts moral decision-making and suppresses utilitarianism*, Workshop on Information in Networks, (**WIN**), New York.

3. I. Rahwan, D. Krasnoshtan, A. Shariff, and J. F. Bonnefon (2015). *Analytical reasoning task reveals limits of social learning in networks*, Workshop on Information in Networks, (**WIN**), New York.

4. E. Awad, B. LeVeck, I. Rahwan (2015). *The Rich Club Phenomenon in the Networks of International Relations*, Workshop on Information in Networks, (**WIN**), New York.

5. A. Alshamsi, E. Awad, M. Almehrezi, V. Babushkin, P.-J. Chang, Z. Shoroye, A.-P. Toth, I. Rahwan (2015). *Misery Loves Company: Happiness and Communication in the City*, Workshop on Information in Networks, (**WIN**), New York.

6. A. Alshamsi, F. Pianesi, B. Lepri, I. Rahwan (2015). *Social Diversity and Dynamic Psychological States.* International Conference on Computational Social Science (**ICCSS**), Helsinki.

7. E. Awad, B. LeVeck, I. Rahwan (2015). *The Rich Club Phenomenon in the Network of International Relations.* International School & Conference on Network Science (**NetSci**), Zaragoza.

8. A. Alshamsi, E. Awad, M. Almehrezi, V. Babushkin, P.-J. Chang, Z. Shoroye, A. P. Toth, I. Rahwan (2015). *Misery Loves Company: Happiness and Communication in the City.* International School & Conference on Network Science (**NetSci**), Zaragoza.

9. A. Alshamsi, F. Pianesi, B. Lepri, A. Pentland, I. Rahwan (2015). *Communication Diversity and Affect Dynamics.* International School & Conference on Network Science (**NetSci**), Zaragoza.

10. P.-J. Chang, W. L. Woon, T. Rahwan, B. Leveck, I. Rahwan (2015). *Temporal Trends in International Relations from Event Data.* International School & Conference on Network Science (**NetSci**), Zaragoza.

11. R. Booth, E. Awad, I. Rahwan (2014). *Interval methods for judgment aggregation in argumentation.* 5th Int. Workshop on Computational Social Choice (**COMSOC**), Pittsburgh.

12. A. Alshamsi, F. Pianesi, B. Lepri, A. Pentland, I. Rahwan (2014). *Beyond contagion: High-resolution face-to-face interaction measurement reveals complex patterns of social influence.* International School and Conference on Network Science (**NetSci**), Berkeley.

13. I. Rahwan, D. Krasnoshtan, A. Shariff, and J. F. Bonnefon (2014). *Analytical reasoning task reveals limits of social learning in networks.* International School and Conference on Network Science (**NetSci**), Berkeley.

14. I. Rahwan, D. Krasnoshtan, A. Shariff, and J. F. Bonnefon (2014). *Analytical reasoning task reveals limits of social learning in networks.* **Collective Intelligence**, MIT.

15. E. Awad, R. Booth, F. Tohmé, I. Rahwan (2014). *Limits of Collective Judgement in Contested Domains: The Case of Conflicting Arguments.* **Collective Intelligence**, MIT.

16. N. Stefanovitch, A. Alshamsi, M. Cebrian, I. Rahwan (2014). *Error and attack tolerance of collective problem solving: the DARPA Shredder Challenge.* Machine Learning and Data Analytics Symposium (**MLDAS**), Doha.

17. A. Alshamsi, B. Lepri, I. Rahwan, F. Pianesi, A. Pentland (2013). *Nature vs. Situation in Social Influence.* Workshop on Information in Networks (**WIN**), NYU.

18. A. Mani, C. M. Loock, I. Rahwan, T. Staake, E. Fleisch, A. Pentland (2013). *Fostering Peer Interaction to Save Energy.* Behavior, Energy and Climate Change Conferece, Sacramento.

19. A. Mani, C. M. Loock, I. Rahwan, T. Staake, E. Fleisch, A. Pentland (2013). *Fostering Peer Interaction to Save Energy.* International School and Conference on Network Science (**NetSci**), Copenhagen

20. I. Rahwan, A. Rutherford, M. Cebrian (2013). *You Can Run, But You Can Hide: Social Mobilization in a Global Manhunt.* International School and Conference on Network Science (**NetSci**), Copenhagen

21. A. Rutherford, S. Dsouza, M. Cebrian, E. Moro, I. Rahwan (2012). *Social Mobilization in Context.* Interdisciplinary Workshop on Information and Decision in Social Networks (**WIDS**), MIT, Cambridge MA.

22. A. Rutherford, S. Dsouza, M. Cebrian, E. Moro, I. Rahwan (2012). *Social Mobilization in Context.* International School and Conference on Network Science (**NetSci**), Chicago

23. A. Mani, I. Rahwan, A. Pentland (2011). *Localized Externalities and Peer-Pressure in Social Networks: Free-riding, Co-ordination and Efficiency.* In: Workshop on Information in Networks (**WIN**), NYU, New York.

24. A. Mani, I. Rahwan, A. Pentland (2011). *Localizing Externalities in Social Networks: Inducing Peer Pressure to Enforce Socially Efficient Outcomes.* Interdisciplinary Workshop on Information and Decision in Social Networks (**WIDS**), MIT, Cambridge MA.

25. R. Booth, M. Caminada, M. Podlaszewski and I. Rahwan (2011). *Quantifying Disagreement in Argument-based Reasoning.* Int. Workshop on the Theory and Applications of Formal Argumentation (TAFA), Barcelona, Spain

26. A. Mani, I. Rahwan, A. Pentland (2010). *Localizing Externalities in Social Networks: Inducing Peer Pressure to Enforce Socially Efficient Outcomes.* Workshop on Information in Networks (**WIN**), NYU, New York.

27. I. Rahwan and F. Tohmé (2010). *Judgement Aggregation over Conflicting Arguments: An Extended Abstract.* In: Proc. Conference on Logic and the Foundations of Game and Decision Theory (**LOFT**), Toulouse, France.

28. K. Larson and I. Rahwan (2008). *Welfare Properties of Argumentation-based Semantics.* Proc. Int. Workshop on Computational Social Choice (**COMSOC**), Liverpool, UK

Books / Proceedings Edited

1. Rahwan, I.; Wobcke, W.; Sen, S.; Sugawara, T. (Eds.) (2012). *Principles and Practice of Multi-Agent Systems.* 15th Int. Conference, PRIMA. LNCS, Vol. 7455, Springer.

2. P. McBurney, S. Parsons and I. Rahwan (Eds.) (2012). *Argumentation in Multi-Agent Systems.* 8th Int. Workshop, ArgMAS 2011. LNCS, Volume 7543. Springer, Berlin.

3. P. McBurney, I. Rahwan, and S. Parsons (Eds.) (2011). *Argumentation in Multi-Agent Systems*, 7th Int. Workshop, ArgMAS 2010, Toronto, Canada. LNAI, Volume 6614, Springer, Berlin.

4. P. McBurney, I. Rahwan, S. Parsons, and N. Maudet (Eds.) (2010). *Argumentation in Multi-Agent Systems*, 6th Int. Workshop, ArgMAS 2009, Budapest, Hungary, LNAI, Volume 6057, Springer, Berlin.

5. I. Rahwan and G. R. Simari (Eds.) (2009). **Argumentation in Artificial Intelligence**, Springer, New York.

6. I. Rahwan and P. Moraitis (Eds.) (2009). *Argumentation in Multi-Agent Systems*, 5th Int. Workshop, ArgMAS 2008, Estoril, Portugal, LNAI, Volume 5384, Springer, Berlin.

7. I. Rahwan, S. Parsons, and C. Reed (Eds.) (2008). *Argumentation in Multi-Agent Systems*, 4th Int. Workshop, ArgMAS 2007, Honolulu, HI, LNAI, Volume 4946, Springer, Berlin.

8. N. Maudet, S. Parsons and I. Rahwan (Eds.) (2007). *Argumentation in Multi-Agent Systems*, 3rd Int. Workshop, ArgMAS 2006 Hakodate, Japan, May 8, 2006 Revised Selected and Invited Papers, LNAI, Volume 4766, Springer, Berlin.

9. S. Parsons, N. Maudet, P. Moraitis, and I. Rahwan (Eds.) (2006). *Argumentation in Multi-Agent Systems*, 2nd Int. Workshop, ArgMAS 2005, Utrecht, Netherlands, LNAI, Volume 4049, Springer, Berlin.

10. I. Rahwan, P. Moraitis and C. Reed (Eds.) (2005). *Argumentation in Multi-Agent Systems*, 1st Int. Workshop, ArgMAS 2004, LNAI, Volume 3366, Springer, Berlin.

Book Chapters

1. I. Rahwan (2013). *Argumentation Among Agents.* In G. Weiss (Ed.). **Multiagent Systems**. 2nd edition. MIT Press.

2. S. Fatima and I. Rahwan (2013). *Negotiation and Bargaining.* In G. Weiss (Ed.). **Multiagent Systems**. 2nd edition. MIT Press.

3. I. Rahwan and C. Reed (2009). *The Argument Interchange Format.* In I. Rahwan and G. R. Simari (Eds.) **Argumentation in Artificial Intelligence**, Springer, pages 383-402.

4. I. Rahwan and K. Larson (2009). *Argumentation and Game Theory.* In I. Rahwan and G. R. Simari (Eds.) **Argumentation in Artificial Intelligence**, Springer, pages 321-339.

EDITORSHIP

Editor, **Artificial Intelligence** (Elsevier)   1/2017–12/2020

Co-Founding Editor, **Argument & Computation** (Taylor & Francis)   4/2013–2015

Associate Editor, **The Knowledge Engineering Review** (Cambridge)   07/2009–07/2014

Associate Editor, **Autonomous Agents and Multiagent Systems** (Springer)   2010–present

Guest Editor, **IEEE Intelligent Systems**, special issue on Argumentation Technology   2007

Guest Editor, **Autonomous Agents and Multiagent systems**, special issue on Argumentation in Multi-Agent Systems   2005

INVITED ADDRESSES

Keynotes

- 11/2016: *AAAI Conference on Human Computation and Crowdsourcing (HCOMP), Austin*, Extreme Crowdsourcing

- 06/2015: *International Network & Conference on Network Science (NetSci)*, Making Social Networks Work

- 07/2014: *European Network for Social Intelligence (SINTELNET) workshop on Arguing on the Web 2.0*, Beyond Web Argumentation: Towards Scalable Civics, Amsterdam

- 06/2013: *Social Dynamics Workshop, International School & Conference on Network Science (NetSci)*, Copenhagen

Invited Talks

- 3/2017: *Deloitte Analytics Webinar*, Society in the loop artificial intelligence: Autonomous vehicles and beyond

- 2/2017: *Association for Unmanned Vehicle Systems International, Spanish Chapter*, The Social Dilemma of Autonomous Vehicles

- 10/2013: *SOCIAM MIT Media Lab Workshop on Social Machines*, The Red Balloon Challenge

- 12/2012: *European Commission*, Directorate General of Taxation and Customs Union, Brussels. Networks, Local Externalities and Fiscal Decentralisation.

- 05/2012: *IRIT, CNRS, Université Paul Sabatier*, France, Int. Workshop on Formal, Experimental, and Informal Approaches to Argumentation, Argumentation in a Social Context

Invited Departmental Seminars

- 02/2017: *Duke University, Dept. of Computer Science*, The Psychological Dilemmas of Autonomous Vehicles

- 02/2017: *MIT Computer Science & Artificial Intelligence Lab, HCI Group*, Extreme Crowdsourcing: From Balloons to Ethics

- 09/2016: *Harvard University, Dept. of Psychology*, Social Dilemma of Autonomous Vehicles

- 09/2016: *Harvard University, J. F. Kennedy School of Government*, How Should Policymakers Drive Autonomous Cars?

- 08/2016: *University of Melbourne*, Urban factors associated with resilience to job displacement from automation

- 05/2016: *ATLAS Institute, University of Colorado, Boulder*, Making Social Networks Work

- 04/2015: *Department of Informatics, King's College, London*, Making Social Networks Work
- 04/2015: *Institute for New Economic Thinking, University of Oxford*, Making Social Networks Work
- 08/2014: *HCI group, Stanford University*, Adventures in Social Mobilization
- 04/2014: *MIT Media Lab*, Scalable Civics
- 10/2013: *CCNR & Barabási Lab, Northeastern University*, Mobilizing Social Networks
- 09/2012: *University of Melbourne*, Australia, Mobilizing Social Networks
- 10/2010: *Harvard University*, Coordinating Actions and Aggregating Opinions.
- 07/2009: *Massachusetts Institute of Technology*, Sloan School of Management, Mass Argumentation & the Semantic Web.
- 07/2009: *Harvard University*, Argument, Computation & Game Theory.
- 01/2009: *University of Melbourne*, Argumentation and Game Theory.
- 08/2008: *University of Edinburgh*, Welfare properties of argumentation-based semantics.
- 09/2007: *University of Dundee*, Game-Theoretic Mechanism Design for Argumentation.
- 09/2007: *University of Aberdeen*, Mass Argumentation and the Semantic Web.
- 09/2007: *University of Edinburgh*, Game-Theoretic Mechanism Design for Argumentation.
- 05/2007: *Utrecht University*, Netherlands, On the Benefits of Exploiting Underlying Goals in Argument-based Negotiation.
- 10/2003: *University of Melbourne*, Agents and Mobile Devices: When HCI meets AI.
- 01/2003: *University of Liverpool*, Position in Argument-based Negotiation.

Invited Tutorials

- 12/2008: Argumentation in Multi-Agent Systems. Half-day tutorial, IFAAMAS-sponsored Agent School, Vietnam National University, Hanoi, Vietnam
- 12/2006: Logic and Argumentation. Half-day tutorial, NUST Institute of Information Technology (NIIT), Pakistan

Panelist

- 04/2013: *American Association for the Advancement of Science (AAAS)*, Crowdsourcing Research: How to recruit citizen scientists for discovery webinar
- 09/2010: *International Conference on Computational Models of Argument (COMMA)*, panel on Uses of Argumentation in Agreement Technologies, Italy.
- 12/2002: *U.K. workshop on Multi-Agent Systems (UKMAS)*, panel on Argumentation and Negotiation, Liverpool, UK.

EVENT ORGANIZATION

Co-Organizer   2016
Symposium on "Artificial Intelligence & Governance", MIT Media Lab, Cambridge MA

Co-Organizer   2014
NetSci Satellite Symposium "Temporal Networks, Human Dynamics & Social Physics", Berkeley

Program Co-Chair   2012
International Conference on Principle and Practice of Multi-agent Systems (PRIMA)

Publicity Chair   2011
10th Int. Joint Conf. on Autonomous Agents & Multi-Agent Systems (AAMAS), Taipei

Exhibits and Demos Co-Chair   2010
9th Int. Joint Conf. on Autonomous Agents & Multi-Agent Systems (AAMAS), Toronto

Program Co-Chair 2010
Int. Workshops on Nonmonotonic Reasoning, "Argument, Dialogue and Decision", Toronto

Vice Chair of the Program Committee 2009
IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT), Milano

Co-Organiser 2008
Dubai Agents and Multi-Agent Systems School (DAMAS)
Partially funded by Int. Foundation for Autonomous Agents & Multiagent Systems (IFAAMAS)

Doctoral Mentoring Co-Chair, with Kate Larson 2007
6th Int. Joint Conf. on Autonomous Agents & Multi-Agent Systems (AAMAS), Hawaii

Co-Founder & Co-Chair 2004–present
Int. Workshop on Argumentation in Multi-Agent Systems (ArgMAS)
In conjunction with AAMAS Saint Paul 2013, Valencia 2012; Tai Pei 2011; Toronto 2010; Budapest
2009; Estoril 2008; Honolulu 2007; Hakodate 2006; Utrecht 2005; New York 2004.

Co-Organiser 2005
Agentlink III Tech. Forum "Towards an Argumentation Interchange Format", Budapest

Member of Local Organising Committee 2003
2nd Int. Conf. on Autonomous Agents & MultiAgent Systems (AAMAS), Melbourne

REFEREEING & ADVISORY WORK

Journal Reviewing

PNAS 2016; Nature Human Behaviour 2016; Nature Communications, 2015; Science Advances, 2015; ACM Transaction of Economics & Computation, 2015; Argumentation, 2015; PLOS ONE, 2013; Artificial Intelligence 2005–2014; Logic and Computation, 2012; IEEE Pervasive Computing, 2012; Journal of Web Semantics, 2012; Semantic Web Journal, 2011; ACM Transactions on Autonomous and Adaptive Systems 2006; IEEE Transactions on Systems, Man, and Cybernetics 2005, 2009; Journal of Autonomous Agents and Multiagent Systems 2004–2007; Knowledge Engineering Review 2008; Artificial Intelligence Review 2007; International Journal of Human Computer Studies 2007; Synthese 2005.

Senior Program Committee Membership

- AAAI Conference on Artificial Intelligence (AAAI), San Fransisco, 2017
- International Joint Conference on Artificial Intelligence (IJCAI), Beijing 2013, Melbourne 2017
- International Conference on Autonomous Agents & Multiagent Systems (AAMAS), Toronto 2010, Taipei 2011, Minnesota 2013, Paris 2014

Program Committee Membership

- 3rd International Conference on Computational Social Science (IC2S2), 2017
- International School & Conference on Network Science (NetSci), 2017
- International World Wide Web Conference (WWW), 2017
- International Conference on Autonomous Agents & Multiagent Systems (AAMAS), 2004-today (senior PC for 2010-2011 & 2013-2014, Blue Sky track 2015)
- Workshop on Social Behavior Analysis and Behavioral Change (SBA4Change) 2011
- International Joint Conference on Artificial Intelligence (IJCAI), 2009, 2011
- AAAI Conference on Artificial Intelligence (AAAI), 2007, 2010–2012, 2015, 2016 (senior PC for 2015)
- International Workshop on Social Network Mining and Analysis (SNA-KDD), 2010, 2011
- European Conference on Artificial Intelligence (ECAI), 2010, 2012
- IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT), 2010

- AAAI Fall Symposium on The Uses of Computational Argumentation, 2009
- International Conference on Electronic Commerce (ICEC), 2007, 2008
- International Conference on Computational Models of Argument (COMMA), 2006–2014

Research Grant Application Reviewing

- National Science Foundation (NSF), USA, 2016
- Netherlands Organisation for Scientific Research (NWO), 2012
- European Research Council (ERC), Framework Program 7, European Union, 2010-2013
- City University of New York Collaborative Incentive Research Grant (CIRG), USA, 2009
- Qatar National Research Fund (QNRF) National Priorities Research Program, Qatar, 2009
- Engineering and Physical Sciences Research Council (EPSRC), UK, 2008

Advisory Panels

- Member of Scientific Panel, European Conference on Argumentation, Lisbon, June 2015
- Scientific Advisory Board, Institute for the Development of Internet, Spain, 2013–present
- Management Committee, Action IC0801 on Agreement Technologies, European Cooperation in Scientific and Technology (COST), 2009-2012
- Steering Committee, Int. Workshop on Argumentation in Multi-Agent Systems, 2004–

ADVISING & VISITORS

Research Scientists, Post-doctoral Fellows & Research Engineers

- Dr. Nick Obradovich (Research Scientist)   06/2016–present
- Dr. Pinar Yanardag (Post-Doc)   05/2016–present
- Dr. Lijun Sun (Post-Doc)   09/2015–present
- Dr. Lorenzo Coviello (Post-Doc)   09/2015–05/2016
  Next position: Software Engineer, Google
- Dr. Nicolas Stefanovitch (Post-Doc)   09/2012–12/2013
  Next position: Postdoc, French Alternative Energies & Atomic Energy Commission
- Dr. Alex Rutherford (Post-Doc)   05/2011–09/2013
  Next position: Data Scientist, United Nations, Global Pulse Labs
- Sohan D'Souza (Research Engineer)   12/2010–05/2013
- Dr. Philippe Pasquier (Post-Doc, joint with University of Melbourne)
  Next position: Assistant Professor, Simon Fraser University, Canada   10/2005–10/2007

Doctoral Students (main advisor)

- Morgan Frank (MIT)   2015–present
  Topic: Computational social science
- Sohan Dsouza (MIT)   2015–present
  Topic: Computational social science
- Edmond Awad (Masdar Institute)   2011–2015
  Topic: Collective Judgment in Contested Domains: The case of Conflicting arguments
  Committee: T. Malone (MIT), M. Caminada (Aberdeen), K. Elbassioni (Masdar)
- Aamena Alshamsi (Masdar Institute)   2011–2015
  Topic: The Good Life in the Network: How social networks shape our personality and emotions
  Committee: A. Pentland (MIT), J. Crandall (Masdar)
  Next position: Assistant Professor, Masdar Institute, UAE & Visiting Scholar, MIT

Doctoral Students (co-advisor or committee member)

- Bedoor Alshebli (Masdar Institute)   2015–present
  Topic: Data Science
  Committee: W. L. Woon (Masdar), T. Rahwan (Masdar)

- Fatimah Modupe Ishowo-Oloko (Masdar Institute)   2011–present
  Topic: Human AI Interaction
  Committee: T. Rahwan (Masdar), A. Pentland (MIT), J. Crandall (Masdar)

- Dr. Alexandros Belesiotis (University of Edinburgh, co-advisor)   2008–2012
  Topic: Strategies and Adaptation in Multiagent Argumentation
  Committee: M. Rovatsos & D. Robertson (Edinburgh), S. Parsons (CUNY)

- Dr. Budhitama Subagdja (University of Melbourne, co-advisor)   2004–2007
  Topic: Intentional Learning in Bounded Rational Agents
  Committee: L. Sonenberg (Melbourne),
  Next Position: Post-doc, NTU, Singapore

MSc Students

- Edmond Awad (MIT)   2015
  Topic: Computational social science

- Maryam Al mehrezi (Masdar Institute, co-advisor)   2015
  Topic: Dynamics of organizational networks in USA and China

- Israa A. Al Qassem (Masdar Institute, co-advisor)   2015
  Topic: On the nature of BitCoin as a social network

- Peter Attila Toth (Masdar Institute)   2014
  Topic: The Effect of Social Interaction on Moral Judgment
  Next Position: Software Engineer, Microsoft Corporation, Redmond

- Aisha Alzbeidi (Masdar Institute)   2014
  Topic: Growth dynamics of 'socl': an interest-based social network

- Dmytro Krasnoshtan (Masdar Institute)   2013
  Topic: Investigating the Effect of Social Structure on Group Reasoning
  Next Position: Software Engineer, Microsoft Corporation, Redmond

- Vahan Babushkin (Masdar Institute)   2013
  Topic: Inferring Social Relationships from Mobility Pattersn in Location based Online Social Networks' Users
  Next Position: PhD student, Madsar Institute

- Abdulfatai Popoola (Masdar Institute)   2013
  Topic: The Complexity of Urban Information Gathering
  Next Position: Software Engineer, Microsoft Corporation, Redmond

- Abdelhalim Hiassat (Masdar Institute, co-advised)   2012
  Topic: An Integrated Location-Inventory-Routing Problem: Metaheuristics and Environmental Extensions
  Next Position: PhD student, University of Waterloo, Canadda

- Fatimah Modupe Ishowo-Oloko (Masdar Institute)   2011
  Topic: A Storage Pricing Mechanism for Learning Agents in the Smart Electricity Grid
  Next Position: PhD student, Madsar Institute

- Fatemeh Jahedpari (British University in Dubai)   2010
  Topic: How Global Coordination Can Be Achieved from Local Coordination in Social Networks

- Mohammed Iqbal Madakkatel (British University in Dubai)   2009
  Topic: On the Cognitive Plausibility of Abstract Argument Evaluation Criteria: The Case of Argument Reinstatement

- Rama Nemer (British University in Dubai)   2009
  Topic: Multiagent Learning of Strategies in Abstract Argumentation Mechanisms
  Next Position: Siemens

- Sohan DSouza (British University in Dubai)   2009
  Topic: Empirical Studies in Computer-Mediated Interest-based Negotiations
  Later Position: Research Engineer, Masdar Institute

- Aamena Alshamsi (British University in Dubai)   2009
  Topic: Multiagent Reinforcement Learning Self Organization Framework for a Taxi Dispatch System
  Next Position: PhD student, Masdar Institute

- Suad Al Shamsi (British University in Dubai)   2008
  Topic: Human Computation for Ontology Refinement
  Later Position: R&D Manager, Emaratech

- Bita Banihashemi (British University in Dubai)   2008
  Topic: Infrastructure for Mass Argumentation Support on the Semantic Web

- P. V. Sakeer (British University in Dubai)   2008
  Topic: Distributed and Flexible Workflow Coordination Using Defeasible Logic Programming

- Fouad Zablith (British University in Dubai)   2007
  Topic: ArgDF: Arguments on the Semantic Web
  Next Position: PhD student, Open University, UK

- Wouter Wiegmans (University of Twente, Netherlands, co-advised)   2006
  Topic: The Applications of RFID Technology in Context-Awareness

PhD/MSc Thesis Committee Member

- Denes Csala (PhD, Masdar Institute)   2013–
- Natalia L. Zurita (MSc, Masdar Institute)   2014
- Yining Wu (PhD, University of Luxembourg)   2012
- MSc (Masdar Institute): Wen Shen 2013; Rafael Harutyunyan 2013; Issak Gezehei 2013; Rany Deskoores 2012; Abdel Halim Hiassat 2012; Yomna Mahmoud Ibrahim Hassan 2011; Mehmet Ali Ergun 2011; Edmond Awad 2011; Asad Ahmed 2011.

Academic Visitors

- Mr. Bassel Tarbush, Oxford University (Masdar, May 2013)
- Dr. Manuel Cebrian, UCSD (Masdar, April 2011, Feb 2013)
- Dr. Hiroyuki Kido, Japan Advanced Institute of Science & Technology (Masdar, Feb 2012)
- Mr. Ankur Mani, Massachusetts Institute of Technology (Masdar, Jan, 2012)
- Dr. Victor Naroditskiy, University of Southampton, UK (Masdar, December 2012)
- Dr. Martin Caminada, Université du Luxembourg (Dubai, February 2010)
- Prof. Fernando Tohmé, Universidad Nacional del Sur, Argentina (Dubai, Oct-Nov 2008)
- Ms. Michelle Blom, University of Melbourne, Australia (Dubai, October 2008)
- Dr. Kate Larson, University of Waterloo, Canada (Dubai, July 2007)
- Dr. Philippe Pasquier, University of Melbourne, Australia (Dubai, May-June 2007)
- Mr. Andrew Gilpin, Carnegie Mellon University, USA (Dubai, January 2007)
- Mr. Christian Guttmann, Monash University, Australia (Dubai, October 2006)
- Dr. Michael Rovatsos, University of Edinburgh, UK (Dubai, May 2005, Jan 2008)

TEACHING

* indicates a new course.

Cooperation: Models & Mechanisms*
Postgraduate, MIT Media Lab, Seminar-based Course MAS.S62, Spring 2016 (5 students)

Topics in Computational Social Science*
Postgraduate, Masdar Institute CIS614, Spring 2013 (4 students), Spring 2014 (7 students)

Design & Analysis of Algorithms*
Postgraduate, Masdar Institute CIS507, Spring 2012 (27 students)

Techniques in Artificial Intelligence*
Postgraduate, Masdar Institute CIS504, Spring 2011 (17 students), Fall 2011 (12 students)

Learning from Data
Postgraduate, British University in Dubai INF507, Fall 2008

Knowledge Engineering*
Postgraduate, British University in Dubai INF511, Spring 2005–2010, Fall 2005

Knowledge Representation*
Postgraduate, British University in Dubai INF506, Fall 2006–2007, Fall 2009, Spring 2005–2006

Web Design Project
Postgraduate, British University in Dubai INF521, Fall 2005–2007,, Spring 2006

FUNDING

The Skillscape $500,000
Siegel Family Endowment; I. Rahwan (PI); 2017–2019

Knowledge Production Networks $630,000
CCES, KACST; C. Hidalgo (PI), I. Rahwan (PI); 2015–2017

Honest Crowds $731,132
Google; I. Rahwan (PI at MIT); 2015–2016

Honest Crowds $79,469
Google; I. Rahwan (PI at Masdar Institute); 2015

Masdar Big Data Initiative $50,000
Masdar Institute; I. Rahwan (PI), W.L. Woon (co-PI), D. Svetinovic, I-T. Tsai; 2014

Sustainable Transportation Systems: An integrated technological- $50,000
socio-behavioal approach
Masdar Institute; I. Rahwan (co-PI), J. Crandall (co-PI); 2014

Managing Real-time Interventions in Smart Buildings $340,000
Learning to Influence People-s Behavior
Siemens; I. Rahwan (PI), J. Crandall (PI); 2012–2013 (discontinued)

Internet-Mediated Social Mobilization for Promoting Sustainable Behavior $104,333
Masdar Institute; I. Rahwan (PI), A. Pentland (co-PI), M. Cebrian (co-PI); 2011–2012

Applying graph data mining techniques to self-organizing network of agents $38,000
Emirates Foundation; I. Rahwan (co-PI), S. Abdallah (PI); 2010–2011

Influencing Collective Human Behavior using Distributed Intelligent Systems $174,945
– 3rd year extension –
Masdar Institute; I. Rahwan (PI); 2013

Influencing Collective Human Behavior using Distributed Intelligent Systems $537,500
Masdar Institute; I. Rahwan (PI), A. Pentland (PI); 2010–2012; my part = $237,500

An Experimental Platform for Argumentation $12,800
British University in Dubai; I. Rahwan (PI), ; 2009–2010

Computational Modelling of Argument on the Semantic Web $9,500
British University in Dubai; I. Rahwan (PI), ; 2008–2009

Erasmus Mundus, European Master in Informatics Scholar   €13,000
European Commission; I. Rahwan (scholar); 2006–2008

Interest-based negotiation: theory and practice (Discovery Grant)   AU$178,000
Australian Research Council; E. Sonenberg (PI), F. Dignum, I. Rahwan (co-PI); 2005–2007

Automated Interaction Technologies for Mobile Hand-held Devices (Linkage) AU$25,700
Australian Research Council; E. Sonenberg (PI), F. Dignum, I. Rahwan (co-PI); 2004–2007

Accelerators of Business-to-Business Electronic Commerce in the GCC $5,890
Tejari LLC; I. Rahwan (PI); 2006

Agentlink III Technical Forum Group   €4,000
European Commission; S. Willmott, J. Fox, D. Grecu, S. Parsons, C. Reed, D. Robertson, N. Maudet, I. Rahwan; 2005

UNIVERSITY ADMINISTRATION

Leadership Roles

- 2012–2013: **Head of Program**, Computing and Information Science, Masdar Institute
- 2006–2010: **Program Coordinator**, MSc in Informatics, British University in Dubai

University / Departmental Committees

- 2015–2017: Member, Faculty Search Committee, MIT Media Lab
- 2013/14: Member, Faculty Recruitment and Advancement Committee, Masdar
- 2013: Member, task force for university ranking, Msadar
- 2012: Member, Committee to Review Faculty Performance Review and Promotion Guidelines
- 2011–2012: Member, Student Recruitment Committee, Masdar
- 2010–2011: Chair, Computing & Information Science Faculty Search Committee, Masdar
- 2008–2009: Member, Academic Appeals Committee, BUiD
- 2008–2009: Member, Scientific Conferences Committee, BUiD
- 2008–2009: Member, Marketing & Recruitment Forum, BUiD
- 2005–2010: Member & Secretary, University Research Committee, BUiD
- 2005–2010: Induction of new students, every semester, BUiD
- 2005: New university Web site committee.
- 2005–2006: Member/coordinator: Task Group on Consultancy and Research Funding Policies
- 2005–2006: Member, MSc in IT Management accreditation task group.
- 2005–2010: Member, Board of Studies, Faculty of Informatics, BUiD
- 2005–2010: Member, Board of Examiners, Faculty of Informatics, BUiD

REFEREES

Available upon request