CURRICULUM VITAE

Nome: Marco Alberto
Cognome: Javarone

Posizioni Accademiche

Ricercatore RTD-A (SSD: SECS-06/S), Università di Sassari, Italy

Research Associate. Centre for Blockchain Technologies, UCL, London, UK

Titoli Accademici

2021. MSc Theoretical Physics. King's College, London, UK. Thesis: Entropy and Complexity in Black Holes

2017. PhD Matematica. Università di Cagliari. Tesi: Statistical Physics of Evolutionary Game Theory and its Applications

2013. PhD Ingegneria Informatica – Machine Learning and Complex Networks. Università di Cagliari. Tesi: Models and Frameworks for Studying Social Behaviours.

Abilitazione Scientifica Nazionale

Dal 04/10/2022 al 04/10/2032. Abilitazione Scientifica Nazionale per il ruolo di Professore Associato nel settore Fisica Teorica della Materia.

Borse e Finanziamenti per Ricerca

- P.I. Dr M.A Javarone. Visiting Grant - ITMO University, St Petersburg Russia, 2018
- P.I. Dr M.A. Javarone. Research Grant - University of Ghent, Belgium, 2016
- P.I. Dr E. Agliari, Research Grant Indam. (membro scientifico), 2015

Posizione Accademiche Precedenti

01/10/2021 — 19/12/2022. *Assegno di Ricerca Senior.* Centro Ricerche Enrico Fermi, Rome, Italy

01/07/2019 – 30/09/2020. **Lecturer** in Applied Mathematics, UCL, London, UK

10/09/2018 – 15/03/2019 **Senior Lecturer** in Statistical Physics, Coventry University, Coventry, UK

12/02/2018 – 09/09/2018 **Research Associate**. University of Kent, Medway, UK

03/04/2017 – 31/01/2018 **Senior Research Fellow**. University of Hertfordshire, Hatfield, UK

01/01/2014 – 31/12/2016 **Studente di Dottorato in Matematica**. Università di Cagliari, Cagliari, Italia

01/10/2014 – 30/09/2015. **Assegno di Ricerca**. Università di Sassari, Sassari, Italia

19/05/2014 – 20/06/2014. **Invited-Researcher**. Ecole Polytechnique de Paris – France.

15/07/2012 – 15/07/2014. **Assegno di Ricerca**. Università di Sassari, Italia

11/2011-02/2012. **Borsa di ricerca**: Study and development of new methods for supervised clustering. Università di Cagliari, Cagliari, Italia

03/2010 – 03/2013 **Studente di Dottorato in Ingegneria Informatica.** Università di Cagliari, Cagliari, Italia

Attività di Ricerca in ambito industriale

08/01/2018 — 22/12/2018. *Senior Researcher*, nChain LTD, London

16/03/2018. *Invited talk* Implementing Deep Learning Models at "Deep Learning in Finance" London Summit 2018, London

02/2016.*Visiting Researcher* at Invenia Labs – Cambridge, UK. Application of Evolutionary Strategies and Machine Learning Algorithms to Financial Time Series.

23/09/2016. *Speaker* at "Deep Learning in Finance Summit" London, UK.

Seminari

09/03/2017. From Evolutionary Games to the Dynamics of Innovation. CEU, Budapest

10/05/2016. Evolutionary Game Theory and its Applications to Optimisation Tasks – Dept. of Mathematics, Queen Mary University of London, London, UK

18/02/2016. Statistical Physics of Evolutionary Game Theory. Dept. of Mathematics – Imperial College London, London, UK

15/10/2015. Statistical Physics and Evolutionary Game Theory. Dept. of Mathematics, University of Bologna, Bologna, Italy

14/07/2015. Introduction to Complex Networks. DIEE - University of Cagliari, Cagliari

23/05/2014. Fermionic Networks: Modelling and Applications. University College London (UCL), London, UK

03/2014. Seminar on Complex Networks. Dept Physics, University of Cagliari, Italy

Attività Editoriale

Nominated EPL - Distinguished Referee 2018

Scientific Reports, Reviewer; Journal of Physics A: Mathematical and Theoretical, Reviewer; Proceedings of the Royal Society, Reviewer; Physical Review (APS), Reviewer; Chaos, Solitons and Fractals, Reviewer; Chaos: An Interdisciplinary Journal of Nonlinear Science, Reviewer; Physica A: Statistical Mechanics and its Applications, Reviewer; Journal of Statistical Mechanics: Theory and Experiment (JSTAT), Reviewer; Nature Human Behaviour, Reviewer; Complexity, Editor and Reviewer; Social Network Analysis and Mining (SNAM), Reviewer; Europhysics Letters (EPL), Reviewer; Entropy, Review Editor; EPJ Data Science, Reviewer; EPJ-B Reviewer; PlosOne, Reviewer; Games, Reviewer; Applied Network Science, Reviewer; Journal of Physics: Complexity; Physics Letters A, Reviewer; Frontiers in Physics, Reviewer; Modern Physics Letters B, Reviewer; Frontiers in ICT – Quantum Computing, Review Editor; Frontiers in Human Neuroscience, Reviewer; Frontiers in Psychology; Reviewer.

Organizzazione di Conferenze(O) / Partecipazione al Program Committee (PC)

- (PC) Senior PC Member ACM Web Science, Austin Texas, April/May, 2023
- (PC) 14th International Conference on Complex Networks, Complenet, Aveiro Portugal, April 2023
- (PC) Senior PC Member ACM Web Science, Barcelona June, 2022
- (PC) Complex Networks 2022. The 11th International Conference on Complex Networks and their Applications, Palermo, Italy, 8-10, Nov 2022
- **(O) Blockchain and Cryptocurrency Complexity, Rome, 3 October 2021**
- (PC) Complex Networks 2021, Madrid (November 2021)
- (PC) CCS21 Conference on Complex Systems. Lyon (October 2021)
- (PC) NETSCI 2020. International School and Conference on Network Science, Rome, Italy 2020
- (PC) ACM WebSci. Web Science, 2020 Southampton, UK 2020
- (PC) ICCS 2020. 10th International Conference on Complex Systems. New England, 2020
- (PC) Complex Networks 2020. 9th International conference on complex networks and their applications, Exeter, UK 2020
- (PC) CCS19 Conference on Complex Systems. Singapore (September 2019)
- **(O) CSS18 Satellite: Braincomputing – Thessaloniki, Greece (September 2018)**
- (PC) CCS19 Conference on Complex Systems. Thessaloniki, Greece (September 2018)
- (PC) SocInfo. 10th International Conference on Social Informatics Saint Petersburg, Russia (September 2018)
- (PC) International Workshop on Complex Networks and their Applications. Lyon 12/2017
- (PC) CCS17 Conference on Complex Systems. Cancun (September 2017)
- (PC) SocInfo 2017. 9Th International Conference on Social Informatics (Oxford 2017)
- (PC) CompleNet17. 8Th Workshop on Complex Networks. Dubrovnik (Croatia). March 2017
- **(O) CSS16 Satellite: Evolutionary Game Theory: from Biology to Social Systems (EGT-BiSS) – Amsterdam (September 2016)**
- (PC) ICCSS2016. International Conference on Computational Social Science 2016 – Evanston, IL USA (June 2016)
- (PC) CCS16 Conference on Complex Systems. Amsterdam (September 2016)
- (PC) SocInfo 2016. 8Th International Conference on Social Informatics (November 2016)

- (PC) International Workshop on Complex Networks and their Applications. Co-located at SITIS 2016 - Milano (December 2016)

- (PC) CompleNet16. 7Th Workshop on Complex Networks. Dijon (France). March 2016

- (PC) Computational Social Science. LC2S2. NetSci2015 (June 2015)

- (PC) ICCSS2015. International Conference on Computational Social Science 2015 – Helsinki, Finland (June 2015)

- (PC) Complenet15. 6Th Workshop on Complex Networks. New York City, USA. (25-27 March 2015)

- **(O) SEDNAM. Workshop on Social and Economic Dynamics co-located at SocInfo2014 (November 2014) Barcelona**

- **(O) SEDPAM. Workshop on SocioPhysics and Econophysics co-located at ECCS14 (September 2014) IMT Lucca.**

- (PC) CSS – Computational Social Science. Contagion, Collective Behaviour, and Networks. 24-25 September 2014. IMT Lucca

- (PC) CRIMENET – Workshop on Criminal Network Analysis and Mining co-located at SocInfo2014, November 2014, Barcelona

- (PC) SocInfo2014, 6th International Conference on Social Informatics 10-13, November 2014, Barcelona.

- (PC) COOL2014 8, April 2014 Seoul. Located with WWW2014 South Korea.

Attività Didattica

- 2022/2023. Docente del pre-corso di Matematica per studenti di Economia, Università di Sassari, Italy

- 2020/2021. Lecturer. Modelling Complex Systems, Department of Economics, Università di Cagliari, Italy

- 2019/2020. Lecturer. Operational Research, Department of Mathematics, UCL

- 2019/2020. Tutor. Applied Mathematics, Department of Mathematics, UCL

- 2018/2019. Lecturer. Mathematics for Theoretical Physics. Coventry University, Coventry, UK

- 2018/2019 Lecturer. Mathematical Analysis. Coventry University, Coventry, UK

- 2018/2019. Tutor. Applied Mathematics 1 and of Applied Mathematics 2. Coventry University, Coventry, UK

- 2018. Visiting Lecturer at ITMO University. Mathematical and Computational Models for Complex Systems, St Petersburg, Russia

- 2017/2018. Professore a contratto di Fisica, Università di Sassari, Italy

- 2016/2017. Professore a contratto di Fisica, Università di Sassari, Italy

- 2016/2017. Tutor Matematica Razionale, Università di Cagliari, Italy.

- 2015/2016. Tutor Matematica Razionale, Università di Cagliari, Italy.

- 2014/2015. Professore a contratto di Informatica, Università di Sassari, Italy
- 2014/2015. Tutor Fisica, Università di Cagliari, Italy.
- 2013/2014. Professore a contratto di Informatica, Università di Sassari, Italy
- 2011/2012. Professore a contratto di Informatica, Università di Sassari, Italy

Supervisione Studenti di Dottorato
- 2019/2020 (Secondo supervisore), Department of Mathematics, UCL, London, UK
- 2019/2020 (Secondo supervisore), Department of Mathematics, UCL, London, UK
- 2019/2020 (Secondo supervisore), Department of Mathematics, UCL, London, UK

Supervisione Studenti di Laurea Magistrale (MSc)

India

MSc in Physics, Indian Institute of Science Education and Research Tirupati
- *2022/2023. Cooperative phenomena in complex systems*

UK

MSc in Mathematical Modelling, UCL, London UK
- 2019/2020. Understanding cooperation: analysing human behaviours by mathematical models.
- 2019/2020. Modelling emergent phenomena in the human brain.

MSc in Financial Mathematics, UCL, London UK
- 2019/2020. Cybersecurity and fraudulent behaviours in Blockchain based systems.
- 2019/2020. Cryptographic protocols in blockchain based technologies.
- 2019/2020. Econophysics models for studying financial markets.
- 2019/2020. The evolution of financial markets with the advent of blockchain based technologies and cryptocurrencies.
- 2019/2020. Modelling the dynamics of cryptocurrencies.
- 2019/2020. Machine Learning Techniques For The Cryptocurrency Market.

Italy
- 2022/2023. Università Roma La Sapienza, Laurea Magistrale (MSc) Fisica.
- 2013/2014. Co-supervisor Laurea Magistrale (MSc) in Fisica Teorica. Università di Cagliari.

Elenco delle Pubblicazioni

Riviste:

- Evolutionary Dynamics of Sustainable Blockchains, Javarone M.A., Di Antonio G., Vinci G.V., Pietronero L., Gola C., Proceedings of the Royal Society A, 478 (2267), 2022

- Dynamics of one-dimensional spin models under the line-graph operator, Marco A. Javarone, Josh A. O'Connor, Proceedings of the Royal Society A 477 (2250), 20210282, DOI: https://doi.org/10.1098/rspa.2021.0282, 2021

- An epidemiological model with voluntary quarantine strategies governed by evolutionary game dynamics, M.A. Amaral, M.M. de Oliveira, M.A. Javarone, Chaos, Solitons and Fractals 143 (110616), 2021

- A mean field approach to model levels of consciousness from EEG recordings. Marco A. Javarone et al., Journal of Statistical Mechanics: Theory and Experiment 083405, 2020

- Strategy equilibrium in dilemma games with off-diagonal payoff perturbations, M.A. Amaral and Marco A. Javarone, Physical Review E, 101(6), 2020

- Heterogeneity in evolutionary games: an analysis of the risk perception, M.A. Amaral and Marco A. Javarone, Proceedings of the Royal Society - A, 476(2237), 2020

- Invited Review of 'The Perfect Bet by Adam Kucharski', Marco A. Javarone, The Mathematical Intelligencer, Springer, 2019

- The Host-Pathogen Game: an evolutionary approach to biological competitions. Marco Alberto Javarone. Frontiers in Physics 6(94), 2018

- Heterogeneous update mechanisms in evolutionary games: mixing innovative and imitative dynamics. Marco A. Amaral and Marco Alberto Javarone. Physical Review E 97 2018

- Dilution of Ferromagnets via a Random Graph-based Strategy. Marco Alberto Javarone and Daniele Marinazzo. Complexity, 2845031, 2018

- Evolutionary Dynamics of Group Formation. Marco Alberto Javarone and Daniele Marinazzo, PloS ONE 12(11) e0187960, 2017

- Solving Optimization Problems by the Public Goods Game. Marco Alberto Javarone EPJ-B 90:171, 2017

- The beneficial role of 'mobility' for the emergence of Innovation. Giuliano Armano and Marco Alberto Javarone. Scientific Reports (7) 1781, 2017

- A Statistical Physics Perspective to Understand Social Visual Attention in Autism Spectrum Disorder. Alessio Liberati, Roberta Fadda, Giuseppe Doneddu, Sara Congiu, Marco Alberto Javarone, Tricia Striano and Alessandro Chessa. Perception, doi:10.1177/0301006616685976, Perception 2017

- Modeling Poker Challenges by Evolutionary Game Theory. Marco Alberto Javarone, 7(4) 39, Games, 2016

- An Evolutionary Strategy based on Partial Imitation for Solving Optimization Problems. Marco Alberto Javarone. http://arxiv.org/abs/1602.04186 Physica A: Statistical Mechanics and Its Applications 463, 2016

- The Role of Noise in the Spatial Public Goods Game. Marco Alberto Javarone and Federico Battiston. http://arxiv.org/abs/1605.08690 Journal of Statistical Mechanics: Theory and Experiment P073404 2016

- Conformity-driven agents support ordered phases in the spatial Public Goods Game. Marco Alberto Javarone, Alberto Antonioni and Francesco Caravelli EPL 114(3) 38001 2016 (*Listed among "The 2016 "Top of the Top" Biophysical Works in the World*" http://dx.doi.org/10.1142/S1793048016010037)

- Modeling Radicalization Phenomena in Heterogeneous Populations. Serge Galam and Marco Alberto Javarone. http://arxiv.org/abs/1508.05269 PloS ONE 11(5): e0155407 2016

- Statistical Physics of the Spatial Prisoner's Dilemma with Memory-aware Agents. Marco Alberto Javarone. European Physical Journal B (89:2) 2 2016

- Emerging Heterogeneities in Italian Customs and Comparison with Nearby Countries. Elena Agliari, Adriano Barra, Andrea Galluzzi, Marco Alberto Javarone, Andrea Pizzoferrato, Daniele Tantari. PloS ONE 10(12): e0144643 2015

- Conformism-driven phases of opinion formation on heterogeneous networks: The q-voter model case. Marco Alberto Javarone and Tiziano Squartini, Journal of Statistical Mechanics: Theory and Experiment, P10002, 2015

- The Role of Competitiveness in the Prisoner's Dilemma. Marco Alberto Javarone and Antonio Emanuele Atzeni. Computational Social Networks (2) 2015

- Fermionic Networks: Modeling Adaptive Complex Networks with Fermionic Gases. Marco Alberto Javarone. International Journal of Modern Physics – C, 2015

- Is Poker a Skill Game? New Insights from Statistical Physics. Marco Alberto Javarone. EuroPhysics Letters (EPL), 110 – 58003, 2015

- Poker as a Skill Game: Rational vs Irrational Behaviors. Marco Alberto Javarone. Journal of Statistical Mechanics: Theory and Experiment, P03018, 2015

- Gaussian networks generated by random walks. Marco Alberto Javarone. Journal of Statistical Physics, 159-1, 2015

- Social Influences in Opinion Dynamics: the Role of Conformity. Marco Alberto Javarone. Physica A: Statistical Mechanics and Its Applications – volume 414, 2014

- Network Strategies in the Election Campaigns. Marco Alberto Javarone. Journal of Statistical Mechanics: Theory and Experiment – volume 2014 – P08013. 2014

- Opinion Dynamics and Linguistic Competitions. Marco Alberto Javarone. Social Physics (No.5), Beijing: Science Press, 2014, 82-92

- Competitive dynamics of lexical innovations in multi-layer networks. Marco Alberto Javarone. International Journal of Modern Physics C. DOI: 10.1142/S012918311450048X

- Emergence of acronyms in a community of language users. Marco Alberto Javarone and Giuliano Armano. European Physical Journal – B. 86:474 2013

- Perception of similarity: a model for social networks dynamics. Marco Alberto Javarone and Giuliano Armano. Journal of Physics A: Mathematical and Theoretical. 46-455102 2013

- Quantum-classical transitions in complex networks. Marco Alberto Javarone and Giuliano Armano. Journal of Statistical Mechanics: Theory and Experiment. P04019 2013

- Clustering Datasets by complex networks analysis. Giuliano Armano and Marco Alberto Javarone. Complex Adaptive Systems Modeling. 1:5 2013

Conference Proceedings:

- From Bitcoin to Bitcoin Cash: a Network Analysis. Marco Alberto Javarone and Craig S. Wright, ACM MobiSys, CryBlock2018 Munich Germany, 2018

- Modeling Evolutionary Dynamics of Lurking in Social Networks. Marco Alberto Javarone, Roberto Interdonato, Andrea Tagarelli, CompleNet16 Springer-Verlag Studies in Computational Intelligence 2016

- Modeling Socio-Psychological Behaviors in the Era of the WWW: a Brief Overview. Marco Alberto Javarone. (KDWEB15, CEUR-WS on-line proceedings series), 2015

- Emergence of Cooperation in the Prisoner's Dilemma Driven by Conformity. Marco Alberto Javarone, Antonio Emanuele Atzeni, Serge Galam. Application of Evolutionary Computation. Lecture Notes in Computer Science, 9028 EvoApp2015 (Copenhagen, Denmark).

- Emergence of Cooperation in Competitive Environments. Marco Alberto Javarone and Antonio Emanuele Atzeni. Signal-Image Technology and Internet-Based Systems (SITIS) 2014 IEEE – Complex Networks 2014 (Marrakech – Morocco)

- SEDNAM -Socio-Economic Dynamics: Networks and Agent-based Models – Introduction. Serge Galam, Marco Alberto Javarone and Tiziano Squartini. SEDNAM – SociInfo2014 – Barcelona Springer Lecture Notes in Computer Science, 8852 (2015)

- Emergence of Extreme Opinions in Social Networks. Marco Alberto Javarone and Serge Galam. CrimeNet – SociInfo2014 – Barcelona Springer Lecture Notes in Computer Science, 8852 (2015)

- The Role of the Shannon Entropy in the identification of acronyms. Marco Alberto Javarone. Studies in Computational Intelligence Volume 549. CompleNet14 Bologna March (Springer)

- Phase Transitions in Fermionic Networks. Marco Alberto Javarone and Giuliano Armano. 11th International Conference on Adaptive and Natural Computing Algorithms (ICANNGA13), LNCS Springer 2013

- A Fitness Model for Epidemic Dynamics in Complex Networks. Marco Alberto Javarone and Giuliano Armano. The 8th International Conference on Signal Image Technology and Internet Based Systems (SITIS2012) - IEEE Workshop on Complex Networks and Their Applications, 2012

Libri

- Statistical Physics and Computational Methods for Evolutionary Game Theory. Marco Alberto Javarone, Springer January 2018

Capitoli

- Poker Cash Game: a Thermodynamic Description. Marco Alberto Javarone. Theory and Applications in Mathematical Physics. World Scientific, 2015
- Complex Networks and Epidemiology. Marco Alberto Javarone and Giuliano Armano. Complex Networks and Their Applications – Chapter 8. Cambridge Scholars Publishing. 2014
- Clustering. Davide Eynard, Marco Alberto Javarone and Matteo Matteucci. Encyclopedia of Social Network Analysis and Mining - ESNAM. Springer 2014

Tesi di Dottorato

- Matematica: Statistical Physics of Evolutionary Game Theory and its Applications. Marco Alberto Javarone. Tutor: Prof. Salvatore Mignemi e Prof. Adriano Barra
- Ingegneria Informatica: Models and Frameworks for Studying Social Behaviors. Marco Alberto Javarone. Cagliari, 2013 Tutor: Prof.Giuliano Armano

Draft

- Complexity is a Matter of Distance, Javarone M.A., Invited contribution for EPL Perspective, to be re-submitted
- Low-temperature Holographic Screen Areas Correspond to Einstein-Rosen Bridges, Javarone M.A., submitted to Physical Review D, 2022
- Disorder Unleashes Panic in Bitcoin Dynamics, Javarone et al., https://arxiv.org/abs/2209.09832

Presentazioni(T) Poster (P) Tutorial (TL) Seminari (S)

- (T) Blockchain Hamiltonian and Bitcoin Price Fluctuations, Econophysics Colloquium, 25 August 2022
- (T) Evolutionary Dynamics of Sustainable Blockchains, Econophysics Colloquium, 25 August 2022
- (T). Blockchain, Cryptocurrencies and their Complexity, BCC 3rd November 2021
- **(T) Invited-talk** Cooperative behaviours and sources of noise. Marco Alberto Javarone. SMB-EVOP, Virtual/UK, (13 - 17 June 2021), 2021

- (T) Emerging Patterns in the Bitcoin Network. Marco Alberto Javarone and Craig Wright. BlockNet2018, Paris, June 2018

- (T) From Bitcoin to Bitcoin Cash: a Network analysis. Marco Alberto Javarone and Craig Wright. CryBlock2018, Munich, June 2018

- (P) Uncovering the Dynamics of Consciousness on Multiplex Networks: a preliminary analysis. Marco Alberto Javarone and Srivas Chennu. Network Neuroscience, Paris, June 2018

- (T) Investigating consciousness and its disorders by network analysis. Marco Alberto Javarone. Data Natives, London 2018

- **(S) Invited seminar.** Evolutionary Game Theory: a brief introduction. Marco Alberto Javarone. International Summer School: Mediterranean School of Complex Networks. Salina, Sicily (Italy), 06/09/2017.

- (TL) Evolutionary Game Theory: Models and Applications. Marco Alberto Javarone. European Conference on Artificial Life 2017, Lyon (France), 07/09/2017

- (T) An Evolutionary Game for Modeling the Emergence of Innovation in Social Systems. Marco Alberto Javarone. Dubrovnik (Croatia), 2017

- (P) Poker Games on Complex Networks. Marco Alberto Javarone. International Workshop on Complex Systems and their Applications. Milano, 2016

- (T) The Public Goods Game as Heuristic for Solving Optimization Tasks. Marco Alberto Javarone. CCS16, Amsterdam, Sept. 2016

- (T) Conformity-driven agents support ordered phases in the spatial public goods game. Marco Alberto Javarone, Alberto Antonioni, Francesco Caravelli. CCS16, Amsterdam, Sept. 2016

- (T) Skill games versus gambling: from Poker to financial markets. An old debate faced by Statistical Physics. Marco Alberto Javarone. Satellite co-located at CCS16 <u>Computational Social Science: Social Contagion, Collective Behaviour, and Networks</u> Sept. 2016, Amsterdam, Netherlands

- *(TL) Invited tutorial.* Social Behaviors through Networks: Models and Applications. Marco Alberto Javarone. International Workshop on Knowledge Discovery on the Web - KDWeb2016. 8-10 Sept. 2016, Cagliari, Italia

- (T) Statistical Physics of Evolutionary Games: from the emergence of cooperation to optimization problems. Marco Alberto Javarone. STATPHYS26, July 2016, Lion France

- (T) A mean field approach to the emergence of cooperation in evolutionary games. Marco Alberto Javarone. Econophysics Colloquium 15, Prague, September 2015

- (P) Modeling Socio-Psychological Behaviors in the Era of the WWW: a Brief Overview. Marco Alberto Javarone. KDWEB15, Cagliari, September 2015

- (T) Is Poker a skill game? Marco Alberto Javarone. IC2S2 – International Conference on Computational Social Science, Helsinki, June 2015

- (T) Modeling Group Polarization in Terrorism Dynamics. Marco Alberto Javarone and Serge Galam. IC2S2 – International Conference on Computational Social Science, Helsinki, June 2015

- **(T)** *Keynote Speaker* Opinion Dynamics in Criminal Contexts. Marco Alberto Javarone. NetCrime 2015, co-located at NetSci 2015, Saragoza (Spain), June 2015

- **(T)** *Invited-talk* Poker Challenges: a sociophysical perspective. Marco Alberto Javarone. Workshop on Sociophysics. 30-31 March 2015 (Paris - France)

- (T) Emergence of Cooperation in Competitive Environments. Marco Alberto Javarone and Antonio Emanuele Atzeni. Signal-Image Technology and Internet-Based Systems (SITIS) 2014 IEEE – Complex Networks 2014 (Marrakech – Morocco)

- (T) Emergence of Extreme Opinions in Social Networks. Marco Alberto Javarone and Serge Galam. CrimeNet – SociInfo2014 – Barcelona

- (T) Poker as a Skill Game: Rational vs Irrational Behaviors. Marco Alberto Javarone. ECCS14, Lucca, Italia

- (P) Conformism-driven phase transition on heterogeneous networks: the q-voter model case. Marco Alberto Javarone and Tiziano Squartini. ECCS14, Lucca, Italia

- (P) The Role of the Shannon Entropy in the identification of acronyms. Marco Alberto Javarone. CompleNet14, 2014 Bologna, Italia

- (T) The Acronyms Game, Marco Alberto Javarone and Giuliano Armano, ECCS13 - Satellite 'CSS: from Social Contagion to Collective Behavior', 2013, Barcelona Spain

- (T) Phase Transitions in Fermionic Networks, Marco Alberto Javarone and Giuliano Armano, 11th International Conference on Adaptive and Natural Computing Algorithms (ICANNGA13) 2013, Lausanne, Switzerland

- (T) A Fitness Model for Epidemic Dynamics in Complex Networks, Marco Alberto Javarone and Giuliano Armano, The 8th International Conference on Signal Image Technology and Internet Based Systems (SITIS2012) - IEEE Workshop on Complex Networks and Their Applications, 2012, Sorrento, Italia

- (P) A. Liberati, M.A. Javarone, G. Frigo, A. Salvago, G. S. Doneddu, R. Fadda, T. Striano and A. Chessa. Lèvy Flights Search Patterns In Children with ASDs Exploring Social Stimuli. International Meeting for Autism Research (IMFAR), May 12-14, 2011

Il sottoscritto dichiara la veridicità dei dati contenuti nel presente documento ai sensi degli art. 46-47 del D.P.R. 445/2000

Sassari, 18/01/2023   Marco Alberto Javarone