

## **ALLEGATO B**

UNIVERSITÀ DEGLI STUDI DI MILANO

selezione pubblica per n.1 posto di Ricercatore a tempo determinato in tenure track (RTT)  
per il settore concorsuale \_\_\_\_02/A2 - Fisica Teorica delle Interazioni Fondamentali ,  
settore scientifico-disciplinare \_\_\_\_FIS/02 - Fisica Teorica Modelli e Metodi Matematici\_  
presso il Dipartimento di \_\_\_\_Fisica “Aldo Pontremoli”\_\_\_\_\_,  
(avviso bando pubblicato sulla G.U. n. 49 del 18/06/2024) Codice concorso 5577

## **[Marco Alberto Javarone]** **CURRICULUM VITAE**

(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE GLI ELEMENTI CHE IL CANDIDATO RITIENE UTILI AI FINI DELLA VALUTAZIONE.

LE VOCI INSERITE NEL FACSIMILE SONO A TITOLO PURAMENTE ESEMPLIFICATIVO E POSSONO ESSERE INTEGRATE)

### **INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)**

COGNOME	JAVARONE
NOME	MARCO ALBERTO

### **TITOLI**

#### **TITOLO DI STUDIO**

(indicare la Laurea conseguita inserendo tipologia e relativo punteggio, Ateneo, titolo della tesi, data di conseguimento, ecc.)

MSc Theoretical Physics, Graduate with Merit presso King's College, London (UK) 01/11/2021  
Thesis: Entropy and Complexity in Black Holes

#### **TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO**

(inserire tipologia del titolo e relativo punteggio, Ateneo, titolo della tesi, data di conseguimento, ecc.)

Dottore di Ricerca in Matematica e Informatica, SSD: MAT/07 Fisica Matematica, Tesi: Statistical Physics of Evolutionary Game Theory and its Applications, 20/04/2017  
Dottore di Ricerca in Ingegneria Elettronica ed Informatica, SSD: ING-INF/05, Tesi: Models and Frameworks for Studying Social Behaviours, 23/04/2013

#### **CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI**

(per ciascun contratto stipulato, inserire tipologia, università/ente, durata in anni / data di inizio e fine, ecc.)

- Dal 28/02/2023 - Ricercatore RTD-A nel settore 02/A2 (FIS/02) presso Università di Bari
- 20/12/2022 – 27/02/2023. Ricercatore RTD-A (SECS-S/06), Università di Sassari, Sassari, Italy
- 01/10/2021 – 19/12/2022. Assegnista 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
- 01/10/2014 - 30/09/2015. Assegnista di Ricerca. Università di Sassari, Sassari, Italia

- 19/05/2014 - 20/06/2014. **Invited-Researcher**. Ecole Polytechnique de Paris - France
- 16/07/2012 - 15/07/2014. **Assegnista di Ricerca**. Università di Sassari, Italia

#### ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO

(inserire tipologia dell'attività, periodo [gg/mm/aa inizio e fine], anno accademico, ateneo, denominazione del corso, numero ore/CFU, ecc.)

- 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
- 014/2015. 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 Tesi Magistrali:

##### 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.

##### Italia

- 2023/2024. Università Roma La Sapienza, Laurea Magistrale (MSc) Fisica.
- 2013/2014. Co-supervisor Laurea Magistrale (MSc) in Fisica Teorica. Università di Cagliari

#### DOCUMENTATA ATTIVITÀ DI FORMAZIONE O DI RICERCA PRESSO QUALIFICATI ISTITUTI ITALIANI O STRANIERI

(inserire tipologia dell'attività, anno/anno accademico, ente, periodo, impegno in termini orari, ecc.)

##### Ricerca:

- Dal 01/05/2023. Visting Fellow at Dutch Institute for Emergent Phenomena, Amsterdam, Olanda
- 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

Formazione:

- MSc in Theoretical Physics, King's College London (UK), 2019/2021

## ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire tipologia di progetto, titolo del progetto, anno, durata, eventuale ente finanziatore e importo del finanziamento, ruolo, gruppo di ricerca, ecc.)

- Partecipazione alle attività di ricerca, caratterizzata da collaborazione a livello internazionale, per lo sviluppo del progetto INdAM-GNFM (Progetto Giovani Agliari2014). Il sottoscritto ha contribuito nello specifico al seguente prodotto: "Emerging Heterogeneities in Italian Customs and Comparison with Nearby Countries, PLoS ONE 10(12): e0144643, Agliari E, Barra A, Galluzzi A, Javarone MA, Pizzoferrato A, Tantari D, 2015" dal 11-05-2014 al 11-03-2015
- Partecipazione al gruppo di Ricerca Progetto Giovani 2016 from GNFM (Gruppo Nazionale di Fisica Matematica) Diretto dalla Dott.ssa Elena Agliari (PI), titolo: "Meccanica Statistica del Deep Learning". Investigations on the statistical mechanics of complex systems and neural networks. dal 16-05-2016 al 15-04-2017
- Partecipazione al gruppo di ricerca internazionale (12 unità di ricerca dislocate in 6 nazioni) per lo sviluppo del progetto WiMUST Grant agreement ID: H2020-645141 come membro dell'unità di ricerca THE UNIVERSITY OF HERTFORDSHIRE (Hatfield, UK). Tra i risultati relativi a questo progetto si riportano i seguenti articoli: "Evolutionary dynamics of group formation, PLoS ONE, e0187960, Marco Alberto Javarone, Daniele Marinazzo, 2017"; "Solving optimization problems by the public goods game, The European Physical Journal B, Marco A Javarone, 2017" ;"Heterogeneous update mechanisms in evolutionary games: Mixing innovative and imitative dynamics, Physical Review E, 042305, Marco Antonio Amaral and Marco Alberto Javarone, 2018"; "Dilution of Ferromagnets via a Random Graph-Based Strategy, Complexity, 2845031, Marco Alberto Javarone, Daniele Marinazzo, 2017". dal 03-04-2017 al 31-01-2018
- Partecipazione al gruppo di ricerca internazionale, come membro dell'unità presso University of Kent (dal 12/02/2018 al 09/09/2018) ed in seguito come membro esterno, per lo sviluppo del progetto supportato dai seguenti enti: Belgian National Funds for Scientific Research (F.R.SFNRS), the European Union's Horizon2020 Framework Programme for Research and Innovation under the Specific Grant Agreement No.945539(HumanBrainProject SGA3) , the University and University Hospital of Liege, the fund Genet, the King Baudouin Foundation, the BIAL Foundation, the AstraZeneca foundation, the Belgian Federal Science Policy Office (BELSPO) in the framework of the PRODEX Programme, the Center-TBI project (FP7-HEALTH-602150), the Public Utility Foundation 'Universite Europeenne du Travail', "Fondazione Europea di Ricerca Biomedica", the Mind Science Foundation, and DOCMA project(EU-H2020-MSCA-RISE-778234). Prodotti di ricerca: A mean field approach to model levels of consciousness from EEG recordings. Journal of Statistical Mechanics: Theory and Experiment, 2020(8), 083405 , Javarone, M. A., Gosseries, O., Marinazzo, D., Noirhomme, Q., Bonhomme, V., Laureys, S., Chennu, S., 2020; Poster presentation presso Network Neuroscience - NetSci 2018, Paris, dal titolo "UNCOVERING THE DYNAMICS OF CONSCIOUSNESS ON MULTIPLEX NETWORKS: A PRELIMINARY ANALYSIS, Marco Alberto Javarone and Srivas Chennu, 11/06/2018" dal 12-02-2018 al 30-03-2020
- Partecipazione alle attività di ricerca per lo sviluppo del progetto, promosso dall'agenzia scientifica brasiliana CNPQ attraverso il processo "428653/2018-9", dal Titolo: "Teoria dos jogos evolucionários em redes complexas (Evolutionary game theory in complex networks)", Institution: "Universidade Federal do Sul da Bahia/UFSB-BA", PI: Marco Antonio Amaral, Grant call: "Chamada MCTIC/CNPq N° 28/2018 - Universal/Faixa A", CNPJ: 18560547000107. Il sottoscritto ha contribuito nello specifico ai seguenti prodotti: - Amaral, M. A., de Oliveira, M. M., Javarone, M. A. (2021). An epidemiological model with voluntary quarantine strategies governed by evolutionary game dynamics. Chaos, Solitons & Fractals, 143, 110616; - Amaral, M. A., Javarone, M. A. (2020). Strategy equilibrium in dilemma games with off-diagonal payoff perturbations. Physical Review E, 101(6), 06230; - Amaral, M. A., Javarone, M. A. (2020). Heterogeneity in evolutionary games: an analysis of the risk perception. Proceedings of the Royal Society A, 476(2237), 20200116. Dal 01-06-2019 al 19-10-2020

- Membro dell'unità di ricerca presso Dipartimento di Fisica dell'Università di Bari associato al progetto PNRR - "National Quantum Science and Technology Institute - NQSTI" codice PE23 - Spoke 1: Foundations and architectures for quantum information processing and communication.

## ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI

*(inserire titolo congresso/convegno, data, durata in giorni/ore, ente organizzatore, ecc.)*

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

- (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  
(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 Computational Social Science: Social Contagion, Collective Behaviour, and Networks 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 - SocInfo2014 - 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

**TITOLI DI CUI ALL'ARTICOLO 24 COMMA 3 LETTERA A) E B) DELLA LEGGE 30 DICEMBRE 2010, N. 240**  
*(indicare se contratto di tipologia A o B, Ateneo, data di decorrenza e fine contratto/periodo/durata in anni, ecc.)*

- Dal 28/02/2023 - **Ricercatore RTD-A** nel settore 02/A2 (FIS/02) presso Università di Bari
- 20/12/2022 – 27/02/2023. **Ricercatore RTD-A** (SECS-S/06), Università di Sassari, Sassari, Italy

**PRODUZIONE SCIENTIFICA**

**PUBBLICAZIONI SCIENTIFICHE**

*(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)*

**Elenco Completo Pubblicazioni Scientifiche**

**Riviste:**

- Quantifying High-Order Interdependencies in Entangled Quantum States, Javarone, et al., Physical Review A, 2024
- Asymmetric games on networks: mapping to Ising models and bounded rationality, Zimmaro F., Galam, S., Javarone M.A., Chaos, Solitons and Fractals 181 - 114666, 2024
- Strategy Revision Phase with Payoff Threshold in the Public Goods Game, Javarone, M.A. and Singh, S.P., JSTAT, 2024
- The Rise of Rationality in Blockchain Dynamics, Di Antonio G, Vinci G.V., Pietronero, L., Javarone M.A., New Journal of Physics, 25 - 123042, 2023
- Disorder Unleashes Panic in Bitcoin Dynamics, Javarone, M.A., et al., Journal of Physics: Complexity, 4(4), 045002, 2023
- Complexity is a Matter of Distance, Javarone M.A., Physics Letters A, 479, 128926, 2023
- 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

- 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. *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
- 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 network 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

Libro:

- *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

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 - SocilInfo2014 - Barcelona Springer Lecture Notes in Computer Science, 8852 (2015)
- Emergence of Extreme Opinions in Social Networks. Marco Alberto Javarone and Serge Galam. CrimeNet - SocilInfo2014 - 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

Data

18/07/2024

Luogo

Sassari