

## **UGO FINARDI**

RESEARCHER

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<http://www.finardi.it>

### **CURRENT POSITION**

**CNR-IRCrES** (formerly CNR-CERIS)

Researcher, since September 2012

### **ACADEMIC APPOINTMENTS, PROFESSIONAL EXPERIENCE (SELECTED)**

**Italian University National Scientific Qualification** for Associate Professorship in Applied Economics  
(Italian Scientific Sector SECS-P/06) (obtained November 26<sup>th</sup>, 2014).

**University of Torino, Department of Chemistry**

Research Technician

July 2007 – August 2012

**University of Torino, Department of Chemistry and Centre of Excellence NIS-Nanostructured Interfaces and Surfaces**

Research Grant (Italian “Assegno di Ricerca”)

“The role of Basic Research in the development of nanomaterials for industrial innovation”

April 2005 – March 2007

### **EDUCATION (SELECTED)**

**University of Torino, Italy**

Ph.D. in Materials Sciences and Technologies: “Best Practices in Technology/Knowledge Transfer and Innovation: the case of Nanotechnologies and Nanosciences” – November 25<sup>th</sup>, 2008

**University of Torino, Italy**

M.Sc. (5-years Italian Laurea), Industrial Chemistry.

**Professional qualification exam as Chemist**

September 1996; Member of the Ordine dei Chimici (Chemists’ Professional Association) of Piemonte and Valle d’Aosta

### **VISITING PERIODS AT INTERNATIONAL INSTITUTIONS**

**University of Toronto, Canada**

Munk School of Global Affairs

Visiting Professor, May 2014

### **ACADEMIC AFFILIATIONS**

**University of Torino, Italy**

Department of Chemistry

Research Associate, August 2012 – August 2014

**CNR-CERIS**

Research Associate, June 2010 – July 2012

**University of Torino, NIS-Nanostructured Interfaces and Surfaces Centre of Excellence**

Member, Technology Transfer delegate, April 2007-March 2009

Member, April 2009 – October 2013

**SCIENTIFIC PUBLICATIONS**

Scientific works published in International Refereed Journals and Books

1. **U. Finardi** and C. Lamberti (2021), "*Diversity and interdisciplinarity in Nanoscience and Nanotechnology: a time-related analysis of the subject category*", *Journal of Nanoparticle Research*, 23, 7. <https://doi.org/10.1007/s11051-020-05119-8>
2. C. Lawson, A. Geuna and **U. Finardi** (2021), "*The funding-productivity-gender nexus in science, a multistage analysis*", *Research Policy*, Vol. 50 No. 3, 104182. <https://doi.org/10.1016/j.respol.2020.104182>
3. **U. Finardi** (2020), "*Innovation and Entrepreneurship*" in "21<sup>st</sup> Century Nanoscience – A handbook, Public Policy, Education, and Global Trends (Volume Ten). K. Sattler (Ed.), Taylor & Francis - CRC Press, ISBN-13: 978-0-8153-5709-4 <http://dx.doi.org/10.1201/9780429351631> (**invited contribution**)
4. **U. Finardi** and S.M. Breznitz (2017), "Factors Affecting University Commercialization: Evidence from Italy", *Ekonomiaz*, Vol. 92 No. 2, pp. 222-245. (special issue "The role of Universities in the Regional Development", E. Uyarra and M. Sánchez-Barriluengo, Eds.)
5. **U. Finardi** and A. Buratti (2016), "Scientific collaboration framework of BRICS Countries: an analysis of *international coauthorship*", *Scientometrics*, Vol. 109 No. 1, pp. 433-446. <http://dx.doi.org/10.1007/s11192-016-1927-0> (corresponding author).
6. **U. Finardi** (2015), "Scientific collaboration between BRICS Countries", *Scientometrics*, Vol. 102 No. 2, pp. 1139-1166. <http://dx.doi.org/10.1007/s11192-014-1490-5>.
7. **U. Finardi** and S. Rolfo (2015), "Spin-off creation in a National Research Institution: technological and industrial implications", in "University Evolution, Entrepreneurial Activity and Regional Competitiveness". D. B. Audretsch, E. E. Lehmann, M. Meoli and S. Vismara, (Eds.), Springer, ISBN 978-3-319-17712-0 ISBN 978-3-319-17713-7 (eBook); <http://dx.doi.org/10.1007/978-3-319-17713-7>; No 32 of "International Studies in Entrepreneurship", Z.J. Acs and D.B. Audretsch (Series editors); ISSN 1572-1922; ISSN 2197-5884 (electronic) (corresponding author).
8. **U. Finardi** (2014), "Nanotechnologies and Nanosciences in Pacific Asia: a comparative study of China, Japan and South Korea scientific production", in: "Nanotechnology: Recent Trends, Emerging Issues and Future Directions", N. Islam (Ed.), Nova Science Publisher, New York, USA, ISBN: 978-1-63117-561-9 (press), 978-1-63117-567-1 (e-book).
9. **U. Finardi** (2014), "Nanosciences and nanotechnologies: Evolution trajectories and disruptive features", in: *Nanotechnology: Concepts, Methodologies, Tools, and Applications*, Volume 1-3, Pages 1-20, Management Association, I. (Eds.). IGI Global. ISBN: 978-1-466-65125-8. <http://doi:10.4018/978-1-4666-5125-8.ch001>
10. S. Rolfo and **U. Finardi** (2014), "University Third mission in Italy: organization, faculty attitude and academic specialization", *The Journal of Technology Transfer*, Vol. 39 No.3, pp.472-486. <http://dx.doi.org/10.1007/s10961-012-9284-5> (corresponding author).
11. **U. Finardi** (2014), "On the time evolution of received citations in scientific fields: an empirical study", *Journal of Informetrics*, Vol. 8 No. 1, pp. 13-24. <http://dx.doi.org/10.1016/j.joi.2013.10.003>.
12. **U. Finardi** (2013), "The Technological Paradigm of Nano Sciences and Technologies: a study of science-technology time and space relations", *Economía: teoría y práctica*, Vol. 39, pp. 11-29.
13. M. Coccia and **U. Finardi** (2013), "New technological trajectories of non-thermal plasma technology in medicine", *International Journal of Biomedical Engineering and Technology*, Vol. 11 No. 4, pp. 337-356. <http://dx.doi.org/10.1504/IJBET.2013.055665> (corresponding author)
14. **U. Finardi** (2013), "Correlation between Journal Impact Factor and Citation Performance: an experimental study", *Journal of Informetrics*, Vol. 7 No. 2, pp. 357-370. <http://dx.doi.org/10.1016/j.joi.2012.12.004>.
15. **U. Finardi** (2013), "Clustering research, education and entrepreneurship: Nanotech innovation at MINATEC in Grenoble", *Research-Technology Management*, Vol. 56 No. 1, pp. 16-20. <http://dx.doi.org/10.5437/08956308X5601040>.

16. M. Coccia and **U. Finardi** (2012), "Emerging nano-technological research for future pathways of biomedicine", *International Journal of Biomedical Nanoscience and Nanotechnology*, Vol. 2 No. 3-4, pp. 299-317. <http://dx.doi.org/10.1504/IJBNN.2012.051223> (corresponding author).
17. **U. Finardi** and S. Sprio (2012), "Human bone regeneration from wood: a novel hierarchically organized nanomaterial", *International Journal of Healthcare Technology and Management*, Vol. 13 No. 4, pp. 171-183. <http://dx.doi.org/10.1504/IJHTM.2012.050617> (corresponding author).
18. **U. Finardi** (2012), "Nanosciences and nanotechnologies: evolution trajectories and disruptive features", in: *Disruptive Technologies, Innovation and Global Redesign: Emerging Implications*, N. Ekekwe and N. Islam (Eds.), IGI Global, Hershey, PA 17033, USA, ISBN 9781466601345, <http://dx.doi.org/10.4018/978-1-4666-0134-5.ch007>.
19. M. Coccia, **U. Finardi** and D. Margon (2012), "Current trends in nanotechnology research across worldwide geo-economic players", *The Journal of Technology Transfer*, Vol. 37 No. 5, pp. 777-787. <http://dx.doi.org/10.1007/s10961-011-9219-6>, (corresponding author).
20. M. Coccia, **U. Finardi** and D. Margon (2012), "Nano Research Trends of Critical Scientific Fields Across Leading Worldwide Geo-Economic Players and Their Spatial Interactions", in: *New Technologies: Trends, Innovations and Research*, C. Volosencu (Ed.), InTech, Rijeka, ISBN 978-953-51-0480-3 <http://dx.doi.org/10.5772/34312> (corresponding author).
21. **U. Finardi** (2011), "Time relations between scientific production and patenting of knowledge. The case of nanotechnologies", *Scientometrics*, Vol. 89 No. 1, pp. 37-50. <http://dx.doi.org/10.1007/s11192-011-0443-5>.
22. G. Centi, G. Cerrato, S. D'Angelo, **U. Finardi**, E. Giamello, C. Morterra, S. Perathoner (1996), "Catalytic behavior and nature of active sites in copper-on-zirconia catalysts for the decomposition of N<sub>2</sub>O", *Catalysis Today*, Vol. 27 No. 1-2, pp. 265-270. [http://dx.doi.org/10.1016/0920-5861\(95\)00197-2](http://dx.doi.org/10.1016/0920-5861(95)00197-2)
23. G. Centi, G. Cerrato, S. D'Angelo, **U. Finardi**, E. Giamello, C. Morterra, S. Perathoner (1995), "Reactivity, stability and characterization of Cu-ZrO<sub>2</sub> catalysts for the decomposition of N<sub>2</sub>O in industrial effluents", in: *Environmental catalysis: for a better world and life*, G. Centi, S. Perathoner, C. Cristiani, P. Forzatti, (Eds.), EFCE Publications Series Vol. 112, pp. 175-178. Roma, ISBN 88-86208-02-2.

#### Scientific works published in National Refereed Journals, Books and Series

1. **U. Finardi**, Rolfo S. & Bianco, I. (2021). *Technology Transfer Activities in Universities and Public Research Organizations: A Literature Overview*. CNR-IRCrES Working Paper 1/2021. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2421-7158.2021.001>(corresponding author).
2. **U. Finardi** and A. O. Spinello, (2020). *La ricerca in Nanotecnologie e Nanoscienze in Italia: spesa del settore pubblico e aree tematiche prevalenti (Nanotechnologies and Nanosciences research in Italy: public-sector expenditure and prevailing subject areas)*, CNR-IRCrES Working Paper 11/2020 Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2421-7158.2020.011>
3. **U. Finardi** (2019), "Il sistema piemontese delle nanotecnologie" ("Piedmont's nanotechnologies system"). *Quaderni IRCrES*, 4(1), pp. 17-44. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2499-6661.2019.002>
4. **U. Finardi** (2019), "Le nanotecnologie e le nanoscienze in Piemonte: introduzione teorica e dati" ("Nanotechnologies and Nanosciences in Piedmont: theoretical introduction and data"), *Quaderni IRCrES*, 4(1), pp. 3-15. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2499-6661.2019.001>
5. **U. Finardi** (2019), "Research activities in Nanotechnologies and Nanosciences: an analysis of *Piedmont's nanotech research system*", CNR-IRCrES Working Paper No. 5/2019. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2421-7158.2019.05>
6. **U. Finardi** (2019), "Flussi di traffico attraverso il tunnel automobilistico del Frejus: un semplice esercizio di forecasting e alcune considerazioni a margine" (Traffic flows through Frejus Car Tunnel: A simple forecasting exercise and some marginal considerations), CNR-IRCrES Working Paper No. 3/2019. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2421-7158.2019.003>
7. **U. Finardi** (2018), "La ricerca nelle nanotecnologie in Piemonte: casi di enti pubblici e privati" ("Research on nanotechnologies in Piedmont: public and private bodies cases"), *Quaderni IRCrES*, 3

- (5) 2018, pp. 3-12. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2499-6661.2018.018>
8. **U. Finardi** (2018), "Nanotechnology patenting in Piedmont: analysis and links with research and industrial environment in the Region", CNR-IRCrES Working Paper No. 8/2018. Istituto di Ricerca sulla Crescita Economica Sostenibile. doi:10.23760/2421-7158.2018.008
  9. **U. Finardi** (2018), "Public research in Nanotechnology in Piedmont (Italy)", CNR-IRCrES Working Paper No. 5/2018. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2421-7158.2018.005>
  10. **U. Finardi**, I. Bianco (2018), "*The use of Cited Half Life to assess obsolescence evolution in different research domains: an empirical test*", Quaderni IRCrES, No. 1/2018, pp. 19-31. Istituto di Ricerca sulla Crescita Economica Sostenibile. <http://dx.doi.org/10.23760/2499-6661.2018.002> (corresponding author).
  11. **U. Finardi** (2017), "*Long time series of highly cited articles: an empirical study*", CNR-IRCrES Working Paper No. 12/2017. Istituto di Ricerca sulla Crescita Economica Sostenibile. (corresponding author), <http://dx.doi.org/10.23760/2421-7158.2017.012>
  12. C. Bruno, **U. Finardi**, A. Lorite-Espejo, E. Ragazzi (2016), "Emerging costs deriving from blackouts for individual firms: evidence from an Italian case study", Quaderni IRCrES, n° 1/2016. Istituto di Ricerca sulla Crescita Economica Sostenibile. (corresponding author).
  13. **U. Finardi** (2015), "Nanotechnologies for textiles, fabrics and clothing: an overview of the scientific literature on the topic", CNR-IRCrES Working Paper No. 3/2015. Istituto di Ricerca sulla Crescita Economica Sostenibile.
  14. **U. Finardi** (2014), "Insights on the efficiency of Embodied Knowledge Transfer: results from a localized initiative", CNR-CERIS Working Paper Series, n° 19/2014. Istituto di Ricerca sull'Impresa e lo Sviluppo.
  15. M. Coccia and **U. Finardi** (2013), "Emerging scientific directions in plasma technology for food decontamination", CNR-CERIS Working Paper Series, n° 3/2013.
  16. M. Coccia and **U. Finardi** (2013), "Evolutionary growth of knowledge and new technological directions of non-thermal plasma technology in medicine", CNR-CERIS Working Paper Series, n° 2/2013. Istituto di Ricerca sull'Impresa e lo Sviluppo.
  17. M. Coccia and **U. Finardi** (2012), "Groundbreaking technological applications of nanotechnology in biomedicine: detecting emerging pathways from scientific and technological outputs", CNR-CERIS Working Paper Series, n° 7/2012. Istituto di Ricerca sull'Impresa e lo Sviluppo.
  18. **U. Finardi** (2011), "*Asian tigers in nanotechnology: evolutionary path of scientific production of People's Republic of China, Japan and South Korea*", CNR-CERIS Working Paper Series, n° 5/2011. Istituto di Ricerca sull'Impresa e lo Sviluppo.
  19. **U. Finardi** (2010), "Temporal and spatial relations between patents and scientific journal articles: the case of nanotechnologies", CNR-CERIS Working Paper Series, n° 7/2010. Istituto di Ricerca sull'Impresa e lo Sviluppo.
  20. M. Coccia, **U. Finardi** and D. Margon (2010), "Research trends in nanotechnology studies across geo-economic areas", CNR-CERIS Working Paper Series, n° 5/2010. Istituto di Ricerca sull'Impresa e lo Sviluppo.
  21. **U. Finardi** and G. Vitali (2009) "Il cluster delle nanotecnologie in Piemonte" ("Nanotechnology cluster in Piedmont"), CNR-CERIS Working Paper Series, n° 10/2009. Istituto di Ricerca sull'Impresa e lo Sviluppo.

"CERIS-CNR Working Papers" and "Quaderni IRCrES" series of monographs undergo double peer review; "CNR-IRCrES Working papers" undergo single peer review. "CERIS-CNR Working Papers" have ISSN 1591-0709 (print), 2036-8216 (online) and are indexed on the RePEc database; "Quaderni IRCrES" have ISSN 2499-6955 (print), ISSN 2499-6661 (on line); "CNR-IRCrES Working papers" have ISSN 2421-6798 (print), ISSN 2421-7158 (on line).

### Books

1. E. Ragazzi (Ed.), A. Stefanini, D. Benintendi, **U. Finardi**, and D.K. Holstein (2020), "EVALUATING THE PRUDENCY OF CYBERSECURITY INVESTMENTS: Guidelines for Energy Regulators", National Association of Regulatory Utility Commissioners (NARUC), under USAID Bureau for Europe and

Eurasia Cooperative Agreement #: AID – OAA-A-16-00049, May 2020, available at: <https://pubs.naruc.org/pub.cfm?id=9865ECB8-155D-0A36-311A-9FEFE6DBD077>

2. E. Ragazzi (Ed.), **U. Finardi**, and A. Stefanini (2020), “SUMMARY OF THE MAIN RESULTS OF THE ESSENCE PROJECT”, Appendix 2 to “Evaluating the Prudence of Cybersecurity Investments: Guidelines for Energy Regulators”, National Association of Regulatory Utility Commissioners (NARUC), May 2020, available at: <https://www.naruc.org/international/news/evaluating-the-prudence-of-cybersecurity-investments-guidelines-for-energy-regulators/>
3. E. Ragazzi (Ed.), **U. Finardi**, and A. Stefanini (2020), “EPRI CYBER SECURITY METRICS”, Appendix 3 to “Evaluating the Prudence of Cybersecurity Investments: Guidelines for Energy Regulators”, National Association of Regulatory Utility Commissioners (NARUC), May 2020, available at: <https://www.naruc.org/international/news/evaluating-the-prudence-of-cybersecurity-investments-guidelines-for-energy-regulators/>
4. CNR-IRCrES (**U. Finardi**, S. Rolfo, unaccredited authors) (2018), “The innovation guide for Companies in the United Arab Emirates: Towards UAE Vision 2021”, United Arab Emirates Ministry of Economy, [http://www.economy.gov.ae/Publications/180207 -UAE Innovation Guide\\_ENG-V12.pdf](http://www.economy.gov.ae/Publications/180207 -UAE Innovation Guide_ENG-V12.pdf)
5. G. Caputo, C.G. Cortese, F. Emanuel, **U. Finardi**, C. Ghislieri, S. Coluccia (2009), “Nanotecnologie: cosa sono e come ce le immaginiamo - Nanotechnologies: what they are and how we do imagine them”, Araba Fenice, Boves 2009. ISBN 978-88-9585-353-6

Contributions in Congress Proceedings – published or online

1. **U. Finardi**, “Nanotechnologies in a local context: an Italian nanotech regional system of innovation”, in: Book of abstract Eu-SPRI 2019 Conference “Science, Technology and Innovation Policies for Sustainable Development Goals”, Rome, June 5<sup>th</sup>-7<sup>th</sup>, 2019, <https://www.euspri2019.it/wp-content/uploads/Eu-SPRI-2019-Book-of-Abstracts.pdf>
2. **U. Finardi**, “Citation trends and scientific fields: an empirical analysis”, in “Translational twists and turns: Science as a socio-economic endeavour”, Proceedings of STI 2013 Berlin, 18<sup>th</sup> International Conference on Science and Technology Indicators, Berlin, September 3<sup>rd</sup>-6<sup>th</sup>, 2013, pp. 531-535; ISSN 1864-2799
3. **U. Finardi**, M. Coccia, “Evolutionary growth of knowledge and new technological directions of non-thermal plasma technology in medicine”, 2013 Eu-SPRI Forum Conference, Madrid, <http://www.euspri-madrid2013.org/pdf/1076.pdf> (currently offline)
4. M. Coccia, **U. Finardi** and D. Margon, “Evolutionary trends in nanotechnology studies across worldwide economic players”, EMAEE 2011: 7<sup>th</sup> European Meeting on Applied Evolutionary Economics, “Evolutionary Perspectives on Technical Change and Industrial Dynamics”, Pisa, [http://www.lem.sssup.it/WPLem/documents/papers\\_EMAEE/coccia.pdf](http://www.lem.sssup.it/WPLem/documents/papers_EMAEE/coccia.pdf)
5. S. Coluccia, E. Gianotti, **U. Finardi**, G. Martra, L. Marchese, “Microcrystalline Materials: from Catalysis to Nanocomposites”, Proceedings of the 40<sup>th</sup> IUPAC Congress “Innovation in Chemistry”, Beijing, August 14<sup>th</sup>-19<sup>th</sup>, 2005

Other non-refereed research works: working papers, technical reports, research reports, web pages.

1. **U. Finardi** (2019). “Linee guida per la realizzazione di un Osservatorio Regionale sulle Nanotecnologie e le Nanoscienze”, Rapporto Tecnico CNR-IRCrES, n. 7/2019. <http://dx.doi.org/10.23760/2421-5562.2019.007>
2. C. Lawson, A. Geuna and **U. Finardi** (2019), “Nurturing knowledge? The impact of funding and family on scientific performance”, Department of Economics and Statistics “Cognetti de Martiis” Working Paper Series N° 13/19. ISSN: 2039-4004 / LEI&BRICK Working Paper 02/2019
3. G. Vitali (Ed.), I. Benati, G. G. Calabrese, M. Filippi, G. Falavigna, **U. Finardi**, A. Manello, E. Ragazzi, L. Sella (2018), “Lo scenario di contesto per la misura IR2 della Regione Piemonte” (“Context scenario for IR2 Regional action”), research report for IRES Piemonte (Regional Government research centre).
4. E. Ragazzi, **U. Finardi**, L. Sella (2018), “Dinamica inter-temporale e confronti inter-istituzionali” (Time dynamics and inter-institutional comparison), chapter in “Rapporto finale dell’attività di ricerca e valutazione dell’impatto delle misure di riequilibrio di genere previste dalla legislazione vigente in materia di cariche elettive e di governo”, Research report for the Department of Institutional reforms,

Italian Presidency of the Minister's Council, 2018, <http://www.riformeistituzionali.gov.it/notizie/18042018-rapporto-finale-di-valutazione-dell-impatto-delle-misure-di-riequilibrio-di-genere/>, pp. 57-62

5. **U. Finardi** (2018), "Il riequilibrio di genere nel Parlamento Europeo" (Gender equilibrium in European Parliament), chapter in "Rapporto finale dell'attività di ricerca e valutazione dell'impatto delle misure di riequilibrio di genere previste dalla legislazione vigente in materia di cariche elettive e di governo", Research report for the Department of Institutional reforms, Italian Presidency of the Minister's Council, 2018, <http://www.riformeistituzionali.gov.it/notizie/18042018-rapporto-finale-di-valutazione-dell-impatto-delle-misure-di-riequilibrio-di-genere/>, pp. 53-56
6. G. Falavigna, L. Sella, **U. Finardi** (2018), "Il riequilibrio di genere nelle assemblee regionali" (Gender equilibrium in regional government), chapter in "Rapporto finale dell'attività di ricerca e valutazione dell'impatto delle misure di riequilibrio di genere previste dalla legislazione vigente in materia di cariche elettive e di governo", Research report for the Department of Institutional reforms, Italian Presidency of the Minister's Council, 2018, <http://www.riformeistituzionali.gov.it/notizie/18042018-rapporto-finale-di-valutazione-dell-impatto-delle-misure-di-riequilibrio-di-genere/>, pp. 34-43
7. **U. Finardi** (2015), "Una nota sulla produzione scientifica del CNR", News CNR, March 2015, <https://www.cnr.it/it/news/6023/una-nota-sulla-produzione-scientifica-del-cnr>
8. G. Calabrese, **U. Finardi**, E. Ragazzi (2014), "Cost analysis of standard implementation in the SCADA Systems of electric critical infrastructures", N° 53, CNR-CERIS Technical Report Series, Special ESSENCE series on security standards for critical infrastructures (E.U. CIPS Project "Essence"); Moncalieri, October 2014; ISSN online:2282-5665; [http://www.ceris.cnr.it/ceris/rt/RT\\_53.pdf](http://www.ceris.cnr.it/ceris/rt/RT_53.pdf)
9. C. Bruno, G. Abrate, H. Bartoszewicz-Burczy, A. Cortes, A. Diu Masterferr, E. Doheijo, F. Erbetta, G. Falavigna, **U. Finardi**, G. Fraquelli, L. Guidi, A. Lorite-Espejo, V. Moiso, D. Pestonesi, E. Ragazzi, T. Wlodarczyk (2014), "Benefit analysis. Assessing the cost of blackouts in case of attack. Evaluation based on Italian and Polish case studies", N° 52, 2014, CNR-CERIS Technical Report Series, Special ESSENCE series on security standards for critical infrastructures (E.U. CIPS Project "Essence"); Moncalieri, October 2014; ISSN online:2282-5665; [http://www.ceris.cnr.it/ceris/rt/RT\\_52.pdf](http://www.ceris.cnr.it/ceris/rt/RT_52.pdf)
10. **U. Finardi**, E. Ragazzi, A. Stefanini (2013), "Considerations on the implementation of SCADA standards on critical infrastructures of power grids", N° 47, 2013, CNR-CERIS Technical Report Series, Special ESSENCE series on security standards for critical infrastructures (E.U. CIPS Project "Essence"); Moncalieri, November 2013; ISSN online:2282-5665; [http://www.ceris.cnr.it/ceris/rt/RT\\_47.pdf](http://www.ceris.cnr.it/ceris/rt/RT_47.pdf)
11. **U. Finardi** (2010), "Mars dusts: morphology, chemistry, possible effects on man-made equipment and their prevention methods", Research Report (confidential), STEPS Project, Piattaforma Aerospazio Regione Piemonte; Torino, September 2010
12. G. Calderoni, **U. Finardi**, G. Ricchiardi (2010), "Overview of ongoing experiments and other activities", Research Report (confidential), STEPS Project, Piattaforma Aerospazio Regione Piemonte; Torino, June 2010
13. G.P. Vitali (Ed.), G. Calabrese, G. Corio, **U. Finardi**, A. Manello, E. Ragazzi, A. Ressico, S. Rolfo, P. Saracco (2008), "Le caratteristiche socio-economiche dei cluster di imprese in Piemonte" ("Socio-economic characters of enterprise clusters in Piedmont"), CNR-CERIS Research Report for Regione Piemonte; Torino, June 2008; [http://www.regione.pmn.it/industria/dwd/ceris\\_cnr.pdf](http://www.regione.pmn.it/industria/dwd/ceris_cnr.pdf)

#### CONTRIBUTIONS TO CONGRESSES, WORKSHOPS AND SCHOOLS (SELECTED)

1. "An approach to cost definition for the implementation of cybersecurity in electricity critical infrastructures", **Ugo Finardi** and Elena Ragazzi, Critical Infrastructure Protection and Resilience Europe, Milano, October 14<sup>th</sup>- 16<sup>th</sup>, 2019
2. "An impact assessment of measures for gender rebalancing in local elective assemblies", **Ugo Finardi**, **Elena Ragazzi** and Lisa Sella, 59th ERSA Congress, Lyon, August 27<sup>th</sup>-31<sup>st</sup>, 2019
3. "Gender rebalancing in municipal assemblies: an impact assessment", **Ugo Finardi**, **Elena Ragazzi** and Lisa Sella, XL Conferenza scientifica annuale AISRe, L'Aquila, September 16<sup>th</sup>-18<sup>th</sup>, 2019
4. "Nanotechnologies in a local context: an Italian Nanotech Regional System of Innovation", **Ugo Finardi**, poster presentation, Eu-SPRI 2019 conference "Science Technology and Innovation Policies for Sustainable Development Goals. Actors, Instruments and Evaluation", Rome (I), June 5<sup>th</sup>-7<sup>th</sup>, 2019

5. "Links established between public labs and industrial system: an Italian case Study", **Ugo Finardi**, Secondo Rolfo, T2S, Technology Transfer Society Annual Conference 2018, October 17<sup>th</sup>-19<sup>th</sup>, 2018, Valencia (E)
6. "*Measures for gender rebalancing in local elective assemblies. An impact assessment on Italian reforms*", **Ugo Finardi**, Elena Ragazzi, Alessandro Manello, XXXIX Conferenza Scientifica Annuale AISRe – Associazione Italiana di Scienze Regionali, September 17<sup>th</sup>-19<sup>th</sup>, 2018, Bolzano – Bozen (I)
7. "Links established between public labs and industrial system: an Italian case Study", **Ugo Finardi**, Secondo Rolfo, XVI International Triple Helix Conference 2018, September 5<sup>th</sup>-8<sup>th</sup>, 2018, Manchester (UK)
8. "Measures for gender rebalancing in local elective assemblies. An impact assessment on Italian reforms", Elena Ragazzi, **Ugo Finardi**, Alessandro Manello and Lisa Sella, 58<sup>th</sup> ERSa Congress, August 28<sup>th</sup>-31<sup>st</sup>, 2018, Cork (Eire)
9. "Valutare la performance delle norme regionali per il riequilibrio di genere nella rappresentanza politica. Problemi metodologici e proposte analitiche (Evaluation of the performance of the regional norms for gender balance in political delegation. Methodological problems and analytical proposals)", Igor Benati, **Ugo Finardi**, Elena Ragazzi, XXI Congresso nazionale dell'Associazione Italiana di Valutazione, L'Aquila (I), April 5<sup>th</sup>-7<sup>th</sup>, 2018
10. "The Funding-Productivity Nexus in Science: Family and Other Sources of Endogeneity", Aldo Geuna, Cornelia Lawson, **Ugo Finardi**, Royal Economic Society Annual Conference 2018, University of Sussex (UK), March 26<sup>th</sup>-28<sup>th</sup>, 2018
11. "The Funding-Productivity Nexus in Science: Family and Other Sources of Endogeneity", Aldo Geuna, Cornelia Lawson, **Ugo Finardi**, BETA research workshop "Economics of Science and Innovation", October 16<sup>th</sup>-17<sup>th</sup>, 2017, Strasbourg (F), Faculty of Economics and Management, BETA (Bureau d'Economie Théorique et Appliquée)
12. "*Competitive funding, gender and teaching: scientists' productivity at a top italian university*", Aldo Geuna, Cornelia Lawson, **Ugo Finardi**, Druid 2017, New York (USA), June 12-14, 2017
13. "Development of a new open source research infrastructure network for agricultural data sharing", S. Abbà, M. Vallino, M. Ciuffo, P. Caciagli, G. Birello, A. Perin, I. Bianco, **U. Finardi**, poster contribution to EFSA/EPPO Joint Workshop "Data collection and information sharing in plant health", Parma (Italy), April 1<sup>st</sup> – 3<sup>rd</sup>, 2014
14. "Spin-off creation in a National Research Institution: technological and industrial implications", U. Finardi, S. Rolfo, Technology Transfer Society (T<sup>2</sup>S) 2013 Annual Conference "Technology Transfer, Entrepreneurial Activity and Regional Competitiveness", Bergamo (Italy), November 8<sup>th</sup>-9<sup>th</sup>, 2013
15. "Evolutionary growth of knowledge and new technological directions of non-thermal plasma technology in medicine", **U. Finardi**, M. Coccia, 2013 EuSPRI Forum Conference "Management of Innovation Policies", Madrid (Spain), April 11<sup>th</sup>-13<sup>th</sup>, 2013
16. "Nanotechnologies in Pacific Asia: scientific production of People's Republic of China, Japan and South Korea", **U. Finardi**, EuSPRI Conference "Path - breaking innovation. Understanding, managing and providing support for continuous radical change in science and innovation", Milan, (Italy), Politecnico di Milano, June 27<sup>th</sup>-29<sup>th</sup>, 2012
17. "Organizational and behavioural differences in Technology Transfer between generalist and specialized universities", **U. Finardi**, S. Rolfo, Technology Transfer Society (T<sup>2</sup>S) Meeting "Technology Transfer in a Global Economy", Augsburg (Germany), University of Augsburg, September 21<sup>st</sup>-23<sup>rd</sup>, 2011
18. "Il cluster delle nanotecnologie in Piemonte" ("Nanotechnology cluster in Piedmont"), **U. Finardi**, G. Vitali, 22<sup>nd</sup> Congress of the Italian Regional Sciences Association, "The role of towns in knowledge economy", Turin (Italy), Politecnico di Torino, September 15<sup>th</sup>-17<sup>th</sup>, 2011
19. "Time-space analysis of scientific citations in patents: science-innovation links in the nano-technological paradigm", **U. Finardi**, 6<sup>th</sup> Annual Conference of the EPIP Association "Fine-Tuning IPR debates", Brussels (Belgium), ULB - Université Libre de Bruxelles, September 8<sup>th</sup>-9<sup>th</sup>, 2011
20. "Evolutionary trends in nanotechnology studies across worldwide economic players", M. Coccia, **U. Finardi** and D. Margon, EMAEE 2011: 7<sup>th</sup> European Meeting on Applied Evolutionary Economics "Evolutionary Perspectives on Technical Change and Industrial Dynamics", Pisa (Italy), Sant'Anna School of Advanced Studies, February 14<sup>th</sup>-16<sup>th</sup>, 2011

21. "Science and technology offer in Piedmont: potentialities and perspective in Technology Transfer from Public Research to Innovation", **U. Finardi**, "PRIME Winter School on Emerging Nanotechnologies", Grenoble (France), February 4<sup>th</sup>-9<sup>th</sup>, 2008.
22. "Science and Technology in Piedmont: from Public Research to innovation" (poster), **U. Finardi**, "PRIME Winter School on Science and Technology Indicators in the Move Towards the ERA", Rome (Italy), CNR-CERIS, November 5<sup>th</sup>-9<sup>th</sup>, 2007

### **COLLABORATION IN RESEARCH PROJECTS**

- "The effects of evaluation on academic research: knowledge production and methodological issues", Italian PRIN (Progetto di Ricerca di Interesse Nazionale) N° 2017NKWYFC: researcher, August 2019 – July 2022
- "Development of Cybersecurity Tariff Guidelines": research project financed by NARUC (National Association of Regulatory Utility Commissioners USA) and by USAID on tariffs and regulations guidance for Black Sea Electric Power regulators cybersecurity issues: researcher, September 2018 – December 2019.
- "Le Nanotecnologie in Piemonte: studio per la creazione di un osservatorio operativo regionale" ("Nanotechnologies in Piemonte: a study for the creation of a regional operative observatory" (project financed by Fondazione CRT - Cassa di Risparmio di Torino): project leader, September 2017 – June 2019.
- "Valutazione dell'impatto delle misure di riequilibrio di genere previste dalla legislazione vigente in materia di cariche elettive e di governo" (Evaluation of the impact of gender equilibrium norms in the electoral legislation), project financed by Dipartimento per le Riforme Istituzionali della Presidenza del Consiglio dei Ministri (DRI) - Department of Institutional reforms, Italian Presidency of the Minister's Council): researcher, October- December 2017
- "RITMARE" CNR Flagship project: researcher, since September 2015.
- "BENTHIS - Benthic ecosystem fisheries Impact Study" (FP7-KBBE): researcher, since September 2015.
- Progetto Premiale CNR "Fabbrica del Futuro": researcher, years 2015-2016.
- FA COST Action TD1203 "Food waste valorisation for sustainable chemicals, materials & fuels (EUBis)": component of Work Group 4 "Technical and Sustainability Assessment/Policy Analysis" since April 2014.
- "Modelli di collaborazione con le industrie e mappa delle competenze tecnologiche CNR" ("Models of Collaboration with Industries and layout of CNR technology expertise"), research project financed by CNEL (National Italian Council for Economics and Work): senior researcher, years 2013-2015.
- "FM-Biased - Formal Methods: Business Impact of Application to SEcurity relevant Devices" (EU CIPS Programme): researcher, years 2013 – 2015.
- "ESSENCE - Emerging security standards to the EU Power Network Controls and other Critical Equipment" (EU CIPS Programme): researcher, years 2012 – 2014.
- "SMAT F1-Sistema di Monitoraggio Avanzato del Territorio", (Advanced Territory Monitoring System) (Financed by Aerospace Technological Platform of Regione Piemonte): researcher, years 2010 – 2012.
- "STEPS-Sistemi e Tecnologie per l'Esplorazione Spaziale", (Systems and Technologies for Space Exploration) (Financed by Aerospace Technological Platform of Regione Piemonte): researcher, years 2010 – 2012.
- Collaborative project between Environment Park Torino - University of Torino - University "Hassan II" of Settat (Morocco) (financed by Regione Piemonte): management attaché, researcher, years 2007 – 2008.
- "Nanomat – Innovation through Nanotechnologies" (Technology Transfer project funded by Regione Piemonte via E.U. Funds): member of the Operational Committee (Delegate of the Department of Chemistry, University of Torino), years 2007 – 2008.
- "NIS-Centre of Excellence" (research centre project financed under Italian Government project financing "COFINLAB 2001"): research grand holder, Technology Transfer delegate, years 2005 – 2007.

### **OTHER RESEARCH COLLABORATIONS**

- Trustech Srl, Torino: production of a report on nanotechnologies in Piedmont for CEIP – Centro Estero per l'Internazionalizzazione, November 2009



ITP – Invest in Turin and Piedmont, Torino: production of a report on nanotechnologies in Piedmont, January-February 2005

### **SCHOOLS AND COURSES ATTENDED**

“PRIME Winter School on Emerging Nanotechnologies”, Grenoble (France), February 4<sup>th</sup>-9<sup>th</sup>, 2008.

“PRIME Winter School on Science and Technology Indicators in the Move Towards the ERA”, Rome (Italy), CNR-CERIS, November 5<sup>th</sup>-9<sup>th</sup>, 2007

### **APPOINTMENTS, GRANTS, AWARDS AND SCHOLARSHIPS**

June 2018, COST Association: Appointed as Independent External Expert in the evaluation of proposals

May 2014, CNR Short Term Mobility Program “Hi-tech clusters and University Technology Transfer: theoretical approach and industrial implications”: scholarship awarded for a visiting professorship at Munk School of Global Affairs, University of Toronto, Canada (official CNR Project).

### **AD-HOC REVIEWER**

Health Policy and Technology

Innovation: The European Journal of Social Science Research

International Journal of Automotive Technology and Management

International Journal of Educational Development

International Journal of Entrepreneurship and Innovation Management

International Journal of Healthcare Technology and Management

International Journal of Public Administration

International Journal of Services Technology and Management

International Journal of Technology Management

JASIST - Journal of the Association for Information Science and Technology

Journal of Contemporary African Studies

Journal of Informetrics

R&D Management

Research Policy

Science & Public Policy

Scientometrics

Structural Change and Economic Dynamics

Technological Forecasting & Social Change

Technology Analysis & Strategic Management

Technology in Society

### **ORGANIZATION OF CONFERENCES AND SEMINARS**

NIS – Centre of Excellence congress series “NIS Colloquia”: managing attaché, years 2005 – 2006 – 2007 (for a total of 20 1- and 2-days congresses).

VIII AIZ Congress, National Conference on Science and Technology of Zeolites, Turin, July 1<sup>st</sup> - 4<sup>th</sup>, 2007: member of the Local Organizing Committee

### **ACTIVITIES AS A SCIENTIFIC JOURNALIST AND SCIENCE WRITER**

Freelance journalist, admitted in 2009 as a member of the National Association of Journalists; scientific journalist, admitted in 2010 as a member of UGIS, Italian Union of Scientific Journalists (associate to EUSJIA, European Union of Science Journalists' Associations).

Steady and occasional collaborations (articles and columns) with national and regional newspapers and magazines: columnist for the magazine "Giovani Genitori" since 2006; past collaborations with "Tuttoscienze - La Stampa", "L'Indice dei libri del mese"; author of books and book chapters.

Scientific popularization books and book chapters

**U. Finardi**, "Cosa sono le nanotecnologie?", Editorial Intangibile, Valencia (ES) 2012.

ISBN 978-84-939568-3-7

(spanish translation: "¿Qué son las nanotecnologías?", ISBN 978-84-939568-4-4) (ebook)

**U. Finardi**, "Cosa è il Trasferimento Tecnologico?" Editorial Intangibile, Valencia (ES), 2012.

ISBN 978-84-939568-6-8

(spanish translation: "¿Que es la transferencia tecnologica?", ISBN 978-84-939568-7-5) (ebook)

G. Rigamonti and **U. Finardi**, "Per ridurre la coca alla fonte, lavorare la terra in sintonia con la foresta", in "Un mare di coca", S. Calvani (Ed.), In Dialogo, Milano 1998, ISBN 88-8123-099-2

**U. Finardi**, "Dalla foglia di coca alla cocaina", in: "L'altra faccia della coca", AA.VV., Ed. Arti Grafiche San Rocco, Grugliasco (TO), 1998

**LINGUISTIC SKILLS**

Mother language: Italian; proficient in English; independent in spoken French

Qualifications: The Trinity College of London, GESE (Graded Examinations in Spoken English) - level 9 (intermediate top level) – year 1994