

Angelo GILIO
Elenco completo delle pubblicazioni

1. "La probabilità dal punto di vista soggettivo : breve introduzione", La Goliardica Editrice, Roma, 1979. (coll. G. Bruno).
2. "Un metodo di decisione bayesiano-adattativo per la classificazione V-U-S di segmenti di un messaggio vocale", Rapp. Int. n. 35, Ist. Comunicazioni Elettriche, Fac. Ing, Univ. di Roma, Dic. 1980. (coll. G. Bruno, P. Mandarini).
3. "Definizioni generali di alcune proprietà di trasformazioni di segnali", Note Recensioni e Notizie, Vol.XXIX,n.2, 1980, 56-64. (coll. G. Bruno).
4. "Applicazione del metodo del simplex al teorema fondamentale per le probabilità nella concezione soggettivistica", Statistica, Anno XL, n.3, 1980, 337-344. (coll. G. Bruno).
5. "A Bayesian approach for voiced/unvoiced classification of segments of a speech signal", Proc. of The Fourth F.A.S.E. Symposium on Acoustic and Speech (Ed. F. Ferrero), Venezia, 21-24 Aprile 1981, Edizioni Scientifiche Associate-Roma, 181-184. (coll. G. Bruno, M.D. Di Benedetto, M.G. Di Benedetto).
6. "A Bayesian-adaptive decision method for the V/U/S classification of segments of a speech signal", Proc. of the Workshop Italy- USA on Digital Signal Processing, Portovenere, 27-29 Agosto 1981, 181-206. (coll. G. Bruno, M.D. Di Benedetto, P. Mandarini).
7. "New results on a Bayesian adaptative V/UV/S classifier for speech signals", Rapp. Int. n. 47, Istituto di Comunicazioni Elettriche,Fac. Ing., Univ. di Roma, Aprile 1982. (coll. G. Bruno, M.D. Di Benedetto, M.G. Di Benedetto, P. Mandarini).
8. "A probabilistic pitch estimation method with combination of several techniques", Proc. of FASE/DAGA '82, Ed.Bochdruckerei Hubert Company, Gottingen 1982, 975-978. (coll. G. Bruno, M.G. Di Benedetto).
9. "Studio del problema di Behrens-Fisher mediante pseudodensità", Metron, Vol.XLII, n.3-4, 1984, 137-145. (coll. G. Bruno).
10. "Confronto fra eventi condizionati di probabilità nulla nell'inferenza statistica bayesiana", Rivista di Matematica per le Scienze Economiche e Sociali, Fasc.2, 1985, 141-152. (coll. G. Bruno).
11. "Vague distributions in Bayesian testing of a null hypothesis", Metron, Vol.XLIII, n.3-4, 1985, 167-174. (coll. R. Scozzafava).
12. "Un'applicazione del concetto di pseudodensità al problema della prima cifra significativa dei dati statistici", Rendiconti di Matematica e delle sue Applicazioni, Serie VII, Vol.6, N.1-2, 1986, 215-224.
13. "A Bayesian-Adaptive Decision Method for the V/UV/S Classification of Segments of a Speech Signal", IEEE Trans. on ASSP, Vol. 35, n. 4, April 1987, 556-559. (coll. G. Bruno, M.D. Di Benedetto, M.G. Di Benedetto, P. Mandarini).

14. "Sampling criteria in multicollection searching", ESA Journal 1987, Vol.11, 343-352. (coll. P.G. Marchetti, R. Scozzafava).
15. "Shannon Information in Sampling from a Multicollection", The 10th Symp. on Information Theory and its Applications (Ed. S. Mori), Enoshima Island, Japan, Nov.19-21, 1987, 887-890. (coll. P.G. Marchetti, R. Scozzafava).
16. "Su una condizione sufficiente di coerenza per le probabilità condizionate", Atti del XII Convegno A.M.A.S.E.S., Palermo, 14-16 Settembre, 1988, 467-483.
17. "Le probabilità condizionate coerenti nei sistemi esperti", Atti delle Giornate di lavoro AIRO 1988 su "Ricerca Operativa e Intelligenza Artificiale", IBM, Pisa, 5-7 Ottobre, 1988, 317-330. (coll. R. Scozzafava).
18. "Coerenza di probabilità condizionate assegnate mediante pseudodensità". Metron, Vol. XLVII, N. 1-4, 1989, 65-76. (coll. R. Scozzafava).
19. "Probabilità condizionate C_0 -coerenti", Rendiconti di Matematica, Serie VII, Vol. 9, Roma (1989), 277-295.
20. "Classi quasi additive di eventi e coerenza di probabilità condizionate", Rendiconti dell'Istituto di Matematica dell'Università di Trieste, Vol. XXI, Fasc. I, 1989, 22-38.
21. "Aspetti algebrici e geometrici nell'insegnamento della probabilità soggettiva", Archimede, 1, Genn.-Marzo 1990, 32-41.
22. "Preference relations, Chisini-de Finetti means and Bayesian inference in retrieval systems modelling", ESA STR-230, March 1990. (coll. P.G. Marchetti, R. Scozzafava).
23. "Campionamento logaritmico", Atti della XXXV Riunione Scientifica S.I.S., Vol. 2, Padova, 18-21 Aprile 1990, 427-434. (coll. R. Scozzafava).
24. "Criterio di penalizzazione e condizioni di coerenza nella valutazione soggettiva della probabilità", Bollettino U. M. I., Vol. 4-B, n. 3, Serie 7, Agosto 1990, 645-660.
25. "Coherent qualitative probability and uncertainty in Artificial Intelligence", Proc. of The 8th Int. Congr. of Cybernetics and Systems, Vol. 1, (Ed. C. N. Manikopoulos), June 11-15, 1990, New York, The NJIT Press, 132-138. (coll. G. Coletti, R. Scozzafava).
26. "Conditional events with vague information in expert systems", Lecture Notes in Computer Science 521 (Eds. B. Bouchon - Meunier, R.R. Yager, L.A. Zadeh), Springer-Verlag, 1991, 106-114. (coll. G. Coletti, R. Scozzafava).
27. "Criterio di penalizzazione e C_0 -coerenza", Atti del Convegno "L'inferenza statistica pura", Bagni di Lucca, 6-9 Luglio 1990, Pubbl. del Dipartimento Statistico, Università di Firenze, 79-92.
28. "Analisi delle decisioni e probabilità qualitativa", Atti del XIV Convegno A.M.A.S.E.S., Pescara, 13-15 Settembre, 1990, 345-352.

29. "Valutazioni probabilistiche parziali nell'analisi delle decisioni", Atti del Convegno S.I.S. su "Sviluppi metodologici nei diversi approcci all'inferenza statistica", Vol. 1, Cagliari, 3-5 Aprile, 1991, Pitagora Ed. Bologna, 117-121.
30. "Assessment of qualitative judgements for conditional events in expert systems", Lecture Notes in Computer Science 548 (R. Kruse, P. Siegel, Eds.), Springer-Verlag, 1991, 135-140. (coll. G. Coletti, R. Scozzafava).
31. " C_0 -coherence and extensions of conditional probabilities", Bayesian Statistics 4 (Eds. J. M. Bernardo, J. O. Berger, A. P. Dawid and A. F. M. Smith), Clarendon Press, Oxford, 1992, 633-640.
32. "Incomplete probability assessments in decision analysis", Journal of the Italian Statistical Society, Vol. 1, n. 1, April 1992, 67-76.
33. "Knowledge integration for conditional probability assessments". In: "Uncertainty in Artificial Intelligence" (Eds. D. Dubois, M. P. Wellman, B. D'Ambrosio, P. Smets), Morgan Kaufmann Publishers, San Mateo, California, 1992, 98-103. (coll. F. Spezzaferri).
34. "The Statistical Invariants in Quantum Probability and de Finetti's Coherence Principle", Quantum Probability and Related Topics, Vol. VIII, World Scientific Publ. Comp., 1993, 211-222.
35. "Conditional events and subjective probability in management of uncertainty", Uncertainty in Intelligent Systems (Eds. B. Bouchon-Meunier, L. Valverde, R. R. Yager), Elsevier Science Publ. B. V., North-Holland, 1993, 109-120.
36. "Probabilistic consistency of knowledge bases in inference systems, Lecture Notes in Computer Science 747 (Eds. M. Clarke, R. Kruse, S. Moral), Springer-Verlag, 1993, 160-167.
37. "Comparative probability for conditional events : a new look through coherence", Theory and Decision, 35, 237-258, 1993. (coll. G. Coletti, R. Scozzafava).
38. "Probabilità di eventi come previsione di numeri aleatori", Induzioni 7, 1993, 39-48.
39. "Probabilistic consistency of conditional probability bounds", Lecture Notes in Computer Science 945 (Eds. B. Bouchon-Meunier, R. R. Yager, L. A. Zadeh), Springer-Verlag, Berlin Heidelberg, 1994, 200-209.
40. "La probabilità nella vita reale attraverso esempi", Induzioni 8, 1994, 69-78. (coll. G. Scalia Tomba, R. Scozzafava).
41. "Conditional events in probability assessment and revision", IEEE Transactions on Systems, Man, and Cybernetics, 24, n. 12, 1994, 1741-1746. (coll. R. Scozzafava).
42. "Probabilità condizionate e apprendimento dall'esperienza: un'applicazione del teorema di Bayes", Ratio Mathematica, Sez. Didattica, n. 7, 57-73, 1994.

43. "Algorithms for precise and imprecise conditional probability assessments". In: "Mathematical Models for Handling Partial Knowledge in Artificial Intelligence" (Eds. G. Coletti *et al.*), Plenum Publ. Co., New York, 1995, 231-254.
44. "Coherence and extensions of stochastic matrices", *Le Matematiche*, Vol. L, Fasc.I, 1995, 119-135. (coll. F. Spezzaferri).
45. "Algorithms for conditional probability assessments", in: "Bayesian analysis in statistics and econometrics: essays in honor of Arnold Zellner" (Eds. A. Berry, K. Chaloner, J. Geweke), Wiley, New York, 1996, 29-39.
46. "Geometrical aspects in checking coherence of probability assessments", Proc. IPMU'96, Vol. I, Granada, July 1-5, 1996, 55-59. (coll. S. Ingrassia).
47. "Aspetti statistici dei sondaggi di opinione", *Bollettino Mathesis*, Sez. di Catania, Anno I, n. 3, 1996, 6-15.
48. "Probabilistic Modelling of Uncertain Conditionals". Proc. European Symposium on Intelligent Techniques, Bari, March 20-21, 1997, 54-57.
49. "On Logical and Probabilistic Relations Among Conditional Events", Proc. EUFIT-97, Aachen, September 8-12, 1997, 1504-1508.
50. "Totally coherent set-valued probability assessments", *Kybernetika* **34** (1), 1998, 3-15. (coll. S. Ingrassia).
51. "Extension of totally coherent interval-valued probability assessments", Proc. IPMU'98, Paris, July 6-10, 1708-1715, 1998. (coll. S. Ingrassia).
52. "A generalization of the fundamental theorem of de Finetti for imprecise conditional probability assessments", Proc. of the 1st International Symposium on Imprecise Probabilities and their Applications (ISIPTA '99), Ghent, Belgium, 29 June - 2 July, 1999, pp. 34-43. (coll. V. Biazzo).
53. "Probabilistic Relations Among Logically Dependent Conditional Events", *Soft Computing*, 3/3, 154-161, 1999.
54. "A linear algorithm for the optimal propagation of conditional probability assessments: an implementation with Maple V", *Contributi* **6**, Dip. di Scienze, Storia dell'Architettura e Restauro, Univ. di Pescara, 1999, 8-21. (coll. V. Biazzo).
55. "A generalization of the fundamental theorem of de Finetti for imprecise conditional probability assessments". *International Journal of Approximate Reasoning* **24**, 251-272, 2000. (coll. V. Biazzo).
56. "Precise propagation of Upper and Lower Probability Bounds in System P". Proc. of the 8th Intern. Workshop on Non-monotonic Reasoning, Special Session: Uncertainty Frameworks in Non-Monotonic Reasoning (organized by S. Benferhat and H. Prade), Breckenridge, Colorado, USA, April 9-11, 2000.

57. "Extension of totally coherent interval-valued probability assessments", in: "Uncertainty in Intelligent and information systems" (Eds B. Bouchon-Meunier, R. R. Yager, L. A. Zadeh), Advances in Fuzzy Systems - Application and Theory, Vol. 20, World Scientific, 2000, 80-91. (coll. S. Ingrassia).
58. "A general probabilistic database model". Proc. IPMU'2000, Madrid, July 3-7, 1107-1114, 2000. (coll. V. Biazzo, A. Ferro, R. Giugno).
59. "Efficient Checking of Coherence and Propagation of Imprecise Probability Assessments". Proc. IPMU'2000, Madrid, July 3-7, 1973-1976, 2000. (coll. V. Biazzo, G. Sanfilippo).
60. "Computational Aspects in Checking of Coherence and Propagation of Conditional Probability Bounds". Proc. of the 5th Workshop on Uncertainty Processing (WUPES 2000), Jindřichův Hradec, Czech Republic, June 21-24, 1-13, 2000. (coll. V. Biazzo, G. Sanfilippo).
61. "Probabilistic logic under coherence: complexity and algorithms", Proc. of the 2nd International Symposium on Imprecise Probabilities and their Applications (ISIPTA '01), Ithaca, USA, June 26 - 29, 2001, 51-61. (coll. V. Biazzo, T. Lukasiewicz, G. Sanfilippo).
62. "Probabilistic Logic under Coherence, Model-Theoretic Probabilistic Logic, and Default Reasoning", ECSQARU-01, volume 2143 of LNCS/LNAI, 290-302, Springer, 2001. (coll. V. Biazzo, T. Lukasiewicz, G. Sanfilippo).
63. "Algorithms for coherence checking and propagation of conditional probability bounds", Proc. of KI-2001 Workshop on Uncertainty in Artificial Intelligence, Vienna, September 17, 2001, 125-135. (coll. V. Biazzo, G. Sanfilippo).
64. "Probabilistic reasoning under coherence in System P", Annals of Mathematics and Artificial Intelligence **34**: 5-34, 2002.
65. "On the linear structure of betting criterion and the checking of coherence", Annals of Mathematics and Artificial Intelligence **35**: 83-106, 2002. (coll. V. Biazzo).
66. "Probabilistic Logic under Coherence, Model-Theoretic Probabilistic Logic, and Default Reasoning in System P", Journal of Applied Non-Classical Logics, 12(2), 189-213, 2002. (coll. V. Biazzo, T. Lukasiewicz, G. Sanfilippo).
67. "Probabilistic logic under coherence and default reasoning", Proc. of The 1st Salzburg Workshop on Paradigms of Cognition (SWPC 1/2002), Salzburg, Austria, July 18-20, 2002.
68. "Coherence Checking and Propagation of Lower Probability Bounds", Soft Computing 7, 310-320, 2003. (coll. V. Biazzo, G. Sanfilippo).
69. "Some results on generalized coherence of conditional probability bounds", Proc. of the 3rd International Symposium on Imprecise Probabilities and their Applications (ISIPTA '03), Lugano, Switzerland, July 14-17, 2003, 62-76. (coll. V. Biazzo, G. Sanfilippo).

70. "Logical Conditions for Coherent Qualitative and Numerical Probability Assessments", Proc. of the 6th Workshop on Uncertainty Processing (WUPES 2003), Heinice, Czech Republic, September 24-27, 2003, 1-12. (coll. V. Biazzo, G. Sanfilippo).
71. "On the checking of g-coherence of conditional probability bounds", International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol. 11, Suppl. 2, 75-104, 2003. (coll. V. Biazzo, G. Sanfilippo).
72. "On Császár's condition in nonmonotonic reasoning", Proc. of The 10th Intern. Workshop on Non-monotonic Reasoning, Special Session: Uncertainty Frameworks in Non-Monotonic Reasoning (organized by S. Benferhat and H. Prade), Westin Whistler Resort and Spa, Whistler BC, Canada, June 6-8, 2004
<http://events.pims.math.ca/science/2004/NMR/uf.html>
73. "Coherence conditions for generalized probability assessments", Proc. IPMU 2004, Perugia, Italy, 4-9 July, 2004, 1041-1048. (coll. V. Biazzo).
74. "Probabilistic logic under coherence, conditional interpretations, and default reasoning", Synthese, 146(1-2), 139-152, August 2005. (doi:10.1007/s11229-005-9080-y ISSN: 0039-7857)
75. "Some theoretical properties of conditional probability assessments", Symbolic and Quantitative Approaches to Reasoning with Uncertainty(Ed. L. Godo), Lecture Notes in Computer Science, 2005, Volume 3571, 472, Springer Berlin Heidelberg, 775-787, 2005. DOI: 10.1007/11518655_65 (coll. V. Biazzo).
76. "Probabilistic logic under coherence: Complexity and algorithms", Annals of Mathematics and Artificial Intelligence, 45(1-2), 35-81, October 2005. (coll. V. Biazzo, T. Lukasiewicz, G. Sanfilippo).
77. "Probabilistic Abduction Without Priors", Dagstuhl Seminar Proc. on "Belief Change in Rational Agents: Perspectives from Artificial Intelligence, Philosophy, and Economics" (eds. J.P. Delgrande, J. Lang, H. Rott, and J.M. Tallon), Dagstuhl, Germany, 7-12 August 2005. (coll. D. Dubois, G. Kern-Isberner).
78. "Some theoretical properties of interval-valued conditional probability assessments", Proc. of the 4th International Symposium on Imprecise Probabilities and their Applications (ISIPTA '05), Pittsburgh, PA, USA, July 20-23, 2005, 58-67. (coll. V. Biazzo).
79. "Probabilistic abduction without priors", Proc. of the 10th Intern. Conf. on Principles of Knowledge Representation and Reasoning (KR 2006), Lake District, UK, June 2-5, 2006, 420-430. (coll. D. Dubois, G. Kern-Isberner).
80. "Some results on imprecise conditional prevision assessments", Proc. of the 5th International Symposium on Imprecise Probability: Theories and Applications (ISIPTA '07), Prague, Czech Republic, July 16-19, 2007, 31-40. (coll. V. Biazzo).
81. "Probabilistic abduction without priors", International Journal of Approximate Reasoning, Elsevier, Vol. 47, 2008, 333-351. (coll. D. Dubois, G. Kern-Isberner).

82. "Generalized coherence and connection property of imprecise conditional previsions", Proceedings of IPMU'08 (L. Magdalena, M. Ojeda-Aciego, J.L. Verdegay, eds), Torremolinos (Malaga), Spain, June 22-27, 2008, 907-914. ISBN 978-84612-361-7 (coll. V. Biazzo, G. Sanfilippo).
83. "On general conditional random quantities", Proc. of the 6th Intern. Symposium on Impr. Probability: Theories and Applications (ISIPTA'09), Durham, United Kingdom, July 14 - 18, 51-60, 2009. (coll. V. Biazzo, G. Sanfilippo).
84. "On general conditional prevision assessments", Proc. of the 8th Workshop on Uncertainty Processing (WUPES'09), Liblice, Czech Republic, September 19 - 23, 23-34, 2009. (coll. V. Biazzo, G. Sanfilippo).
85. "Quasi Conjunction and p-Entailment in Nonmonotonic Reasoning", Advances in Intelligent and Soft Computing, Volume 77, 2010, DOI: 10.1007/978-3-642-14746-3, Combining Soft Computing and Statistical Methods in Data Analysis (C. Borgelt, G. G. Rodríguez, W. Trutschnig, M. A. Lubiano, M. A. Gil, P. Grzegorzewski and O. Hryniwicz Eds). ISBN 978-3-642-14745-6. (coll. G. Sanfilippo).
86. "Quasi Conjunction and Inclusion Relation in Probabilistic Default Reasoning", W. Liu (Ed.): ECSQARU 2011, LNAI 6717, 497-508, Springer Berlin Heidelberg, 2011. (coll. G. Sanfilippo).
87. "Coherent conditional probabilities and proper scoring rules", Proc. of The 7th International Symposium on Imprecise Probability: Theories and Applications (ISIPTA 2011), Innsbruck, Austria, 25-28 July 2011, 189-198. (coll. G. Sanfilippo).
88. "Generalizing inference rules in a coherence-based probabilistic default reasoning", International Journal of Approximate Reasoning 53, 2012, 413-434.
89. "The psychology of inferring conditionals from disjunctions: A probabilistic study", Journal of Mathematical Psychology 56 (2), April 2012, 118-131. ISSN 0022-2496 (coll. D. Over)
90. "Coherent conditional previsions and proper scoring rules", in: "Advances in Computational Intelligence" (Eds S. Greco, B. Bouchon-Meunier, G. Coletti, M. Fedrizzi, B. Matarazzo, and R. R. Yager), series "Communications in Computer and Information Science", vol. 300, 146-156, Springer Heidelberg, 2012, ISBN 978-3-642-31723-1. (coll. V. Biazzo, G. Sanfilippo)
91. "Conjunction, Disjunction and Iterated Conditioning of Conditional Events", Chapter in: "Synergies of Soft Computing and Statistics for Intelligent Data Analysis" (Rudolf Kruse, Michael R. Berthold, Christian Moewes, María Ángeles Gil, Przemysław Grzegorzewski, Olgierd Hryniwicz, eds.), volume 190, pages 399-407, Springer Berlin Heidelberg, 2013. (coll. G. Sanfilippo)
92. "Quasi conjunction, Quasi disjunction, T-norms and T-conorms: Probabilistic aspects", Information Sciences, 2012, under revision. (coll. G. Sanfilippo)

93. "Probabilistic entailment in the setting of coherence: The role of quasi conjunction and inclusion relation", International Journal of Approximate Reasoning, 2012, under revision. (coll. G. Sanfilippo)