

# VINCENZO CRUPI

## Curriculum Vitae

January 2023

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### ACADEMIC POSITIONS

- 2019— Full professor of Logic and Philosophy of Science  
Department of Philosophy and Education Sciences, University of Turin
- 2014-2019 Associate professor of Logic and Philosophy of Science  
Department of Philosophy and Education Sciences, University of Turin
- 2011–2014 Assistant professor of Logic and Philosophy of Science  
Department of Philosophy and Education Sciences, University of Turin
- 2011— External member, Munich Center for Mathematical Philosophy, Ludwig Maximilian University
- 2003–2010 Postdoc fellow: Munich Center for Mathematical Philosophy, Ludwig Maximilian University (2010-2011); Department of Critical Care, University of Florence (2009-2010); Department of Arts & Design, University IUAV of Venice (2007-2009); Center for Mind/Brain Sciences (CIMeC), University of Trento (2006-2007); Cognitive Psychology Lab, University of Aix-Marseille (2005-2006); Department of Cognitive Sciences and Education, University of Trento (2003-2005)

### OTHER APPOINTMENTS

- 2020— Member of the Steering Committee, PhD Program of the Northwestern Italian Philosophy Consortium (FINO)
- 2019–2023 Member of the Governing Board of the Italian Association of Cognitive Sciences
- 2014–2020 Director of the Center for Logic, Language, and Cognition (LLC), University of Turin

### EDUCATION

- 2004 PhD in Philosophy, University of Turin
- 2002 MSc in Philosophy and History of Science, London School of Economics
- 1998 Laurea (MA) in Philosophy, University of Turin

### AREAS OF INTEREST

logic and philosophy of science; formal epistemology; judgment and decision making; conditionals

## **MAIN FUNDED RESEARCH PROJECTS**

- 2019–2021     *Logic and cognition: Theory, experiments, and applications* (local PI)  
Italian Ministry of University and Scientific Research, PRIN Grant 20173YP4N3 [175.000 EUR]
- 2013–2016     *Structures and dynamics of knowledge and cognition* (national coordinator and PI)  
Italian Ministry of University and Scientific Research, FIRB Grant D11J1200047001 [874.000 EUR]
- 2011–2017     *Models of information search: A theoretical and empirical synthesis* (PI)  
Deutsche Forschungsgemeinschaft, SPP 1516 (New Frameworks of Rationality), Grant CR 409/1-2  
[55.000 EUR]

## **EDITORIAL ACTIVITY**

Associate editor:

- *Ergo: An open access journal of philosophy* (2014-now, for the philosophy of science)
- *European Journal for Philosophy of Science* (2021-now)

Member of the editorial board:

- *Topoi: An international review of philosophy* (from 2011)
- *Rivista di Filosofia* (from 2019)
- *Entropy* (from 2020)
- *Sistemi Intelligenti* (from 2021)

## **SYMPOSIUM, WORKSHOP, and CONFERENCE ORGANIZATION** (10 selected)

*Biennial Conference of the European Philosophy of Science Association*  
University of Turin, 15-18 September 2021 (local organizer, with Jan Sprenger)

*Symposium Beyond Adams' Thesis: New Logics for Conditionals*  
10<sup>th</sup> European Congress of Analytic Philosophy, Utrecht, 24 August 2020

*16th Annual Formal Epistemology Workshop* (FEW 2019)  
Center for Logic, Language, and Cognition, Turin, 19-21 June 2019 (with Jan Sprenger and Kenny Easwaran)

*Models of Explanation*  
11<sup>th</sup> MuST (Munich-Sidney-Tilburg/Turin) Conference in Philosophy of Science  
Center for Logic, Language, and Cognition, Turin, 11-13 June 2018 (with Jan Sprenger)

Reasoning Club Conference  
Center for Logic, Language, and Cognition, Turin, 18-19 May 2017  
(with Gustavo Cevolani, Jason Konek, and Paolo Maffezoli)

*Symposium Measure Sensitivity in the Study of Reasoning and Cognition*  
Conference of the European Philosophy of Science Association, Düsseldorf, 23 September 2015  
(with Gustavo Cevolani)

*Workshop Information, search, and causes: Rational and cognitive approaches*  
Center for Logic, Language, and Cognition, University of Turin, 6 February 2015

*Workshop Operationalization 2013* (Operationalizing Epistemic Concepts)  
New Frameworks of Rationality Priority Program, Freiburg, 15-16 October 2013  
(with Marco Ragni, Henrik Singmann, and Jan Sprenger)

9th Annual Formal Epistemology Workshop (FEW 2012)

Munich Center for Mathematical Philosophy, Ludwig Maximilian University, 29 May – 1 June 2012

(with Hannes Leitgeb, Florian Steinberger, and Ole Hjortland)

Sixth International Conference on Thinking

Venice, 21-23 August 2008 (member of the local organizing committee)

## **PUBLICATIONS**

Google Scholar total citations:	1738
h-index:	21
i10-index:	33
Erdős number:	4 (Erdős / E.P. Specker / H. Gaifman / D. Osherson / V. Crupi)

### **Journal articles (English)**

CRUPI V. and IACONA A. (2023). Outline of a theory of reasons. *Philosophical Quarterly*, 73: 117-142.

VINDROLA F. and CRUPI V. (2023). Bayesians too should follow Wason: A comprehensive accuracy-based analysis of the selection task. *British Journal for the Philosophy of Science*.

RAIDL E., IACONA A., and CRUPI V. (2023). An axiomatic system for concessive conditionals. *Studia Logica*.

CRUPI V. and IACONA A. (2022). On the logical form of concessive conditionals. *Journal of Philosophical Logic*, 51: 633-651.

RAIDL E., IACONA A., and CRUPI V. (2022). The logic of the evidential conditional. *Review of Symbolic Logic*, 15: 758-770.

NELSON J.D., ROSENAUER C., CRUPI V., TENTORI K., and MEDER B. (2022). The likelihood difference heuristic and binary test selection given situation-specific utilities. *Decision*, 9: 285-319.

CRUPI V. and IACONA A. (2022). Three ways of being non-material. *Studia Logica*, 110: 47-93.

ELIA F., CALZAVARINI F., BIANCO P., VECCHIETTI R.G., MACOR A.F., D’ORAZIO A., DRAGONETTI A., D’ALFONSO A., BELLETRUTTI L., FLORIS M., BERT F., CRUPI V., and APRÀ F. (2022). A nudge intervention to improve hand hygiene compliance in the hospital. *Internal and Emergency Medicine*, 17: 1899-1905.

CRUPI V. and IACONA A. (2021). Probability, evidential support, and the logic of conditionals. *Argumenta*, 6: 211-222.

CRUPI V. and IACONA A. (2020). The evidential conditional. *Erkenntnis* (doi: 10.1007/s10670-020-00332-2).

ELIA F., VALLELONGA F., and CRUPI V. (2020). Understanding and improving decisions in clinical medicine (V): Jekyll and Hyde, the two faces of clinical reasoning. *Internal and Emergency Medicine*, 15: 1317-1318.

COLOMBO M., LAI J., and CRUPI V. (2019). Sleeping Beauty goes to the lab: The psychology of self-locating evidence. *Review of Philosophy and Psychology*, 10: 173-185.

CRUPI V., ELIA F., APRÀ F., and TENTORI K. (2018). Double conjunction fallacies in physicians’ probability judgment. *Medical Decision Making*, 38: 756-760.

TENTORI K., PIGHIN S., DIVAN C., and CRUPI V. (2018). Mind the gap: Physicians’ assessment of patients’ importance weights in localized prostate cancer. *PLoS ONE*, 13 (7), e0200780.

- CRUPI V., NELSON J.D., MEDER B., CEVOLANI G., and TENTORI K. (2018). Generalized information theory meets human cognition: Introducing a unified framework to model uncertainty and information search. *Cognitive Science*, 42: 1410-1456.
- ELIA F. PANERO F., CRUPI V., and APRÀ F. (2018). Drama of medical dramas (Letter). *Postgraduate Medical Journal*, 94: 477.
- CRUPI V., CALZAVARINI F., ELIA F., and APRÀ F. (2018). Understanding and improving decisions in clinical medicine (IV): Prospects and challenges of nudging in healthcare. *Internal and Emergency Medicine*, 13: 791-793.
- CRUPI V., ELIA F., and APRÀ F. (2018). Understanding and improving decisions in clinical medicine (III): Towards cognitively informed clinical thinking. *Internal and Emergency Medicine*, 13: 449-451.
- ELIA F., APRÀ F., and CRUPI V. (2018). Understanding and improving decisions in clinical medicine (II): Making sense of reasoning in practice. *Internal and Emergency Medicine*, 13: 287-289.
- ELIA F., COVELLA M., PERNA M., APRÀ F., and CRUPI V. (2018). The clinical eye. *Internal and Emergency Medicine*, 13: 213-217.
- CRUPI V. and ELIA F. (2017). Understanding and improving decisions in clinical medicine (I): Reasoning, heuristics, and error. *Internal and Emergency Medicine*, 12: 689-691.
- CRUPI V. and TENTORI K. (2016). Noisy probability judgment, the conjunction fallacy, and rationality: Comment on Costello and Watts (2014). *Psychological Review*, 123: 97-102.
- TENTORI K., CHATER N., and CRUPI V. (2016). Judging the probability of hypotheses vs. the impact of evidence: Which form of inductive inference is more accurate and time-consistent? *Cognitive Science*, 40: 758-778.
- ELIA F., APRÀ F., VERHOVEZ A., and CRUPI V. (2016). First, know thyself: Cognition and error in medicine. *Acta Diabetologica*, 53: 169-175.
- CRUPI V. and TENTORI K. (2014). Measuring information and confirmation. *Studies in the History and Philosophy of Science*, 47: 81-90.
- CRUPI V. and GIROTTO V. (2014). From *is* to *ought*, and back: How normative concerns foster progress in reasoning research. *Frontiers in Psychology*, 5, 219: 1-3.
- CRUPI V. and TENTORI K. (2013). Confirmation as partial entailment: A representation theorem in inductive logic. *Journal of Applied Logic*, 11: 364-372. [Erratum in *Journal of Applied Logic*, 12: 230-231.]
- TENTORI K. and CRUPI V. (2013). Why quantum probability does not explain the conjunction fallacy. *Behavioral and Brain Sciences*, 36: 308-310.
- TENTORI K., CRUPI V., and RUSSO S. (2013). On the determinants of the conjunction fallacy: Probability vs. inductive confirmation. *Journal of Experimental Psychology: General*, 142: 235-255.
- CRUPI V., CHATER N., and TENTORI K. (2013). New axioms for probability and likelihood ratio measures. *British Journal for the Philosophy of Science*, 64: 189-204.
- DUMAS F., GONZALEZ M., GIROTTO V., PASCAL C., BOTTON J.-F., and CRUPI V. (2012). The context of available options affects healthcare decisions: A generalization study. *Medical Decision Making*, 32: 815-819.
- ZHAO J., CRUPI V., TENTORI K., FITELSON B., and OSHERSON D. (2012). Updating: Learning vs. supposing. *Cognition*, 124: 373-378.
- CRUPI V. and TENTORI K. (2012). A second look at the logic of explanatory power (with two novel representation theorems). *Philosophy of Science*, 79: 365-385.
- CRUPI V. (2012). An argument for not equating confirmation and explanatory power. *The Reasoner*, 6 (3): 39-40. [Erratum in *The Reasoner*, 6 (4): 68.]

- TENTORI K. and CRUPI V. (2012). On the conjunction fallacy and the meaning of *and*, yet again: A reply to Hertwig, Benz, and Krauss (2008). *Cognition*, 122: 123-134.
- TENTORI K. and CRUPI V. (2012). How the conjunction fallacy is tied to probabilistic confirmation: Some remarks on Schupbach (2009). *Synthese*, 184: 3-12.
- CEVOLANI G., CRUPI V., and FESTA R. (2011). Verisimilitude and belief change for conjunctive theories. *Erkenntnis*, 75: 183-202.
- MASTROPASQUA T., CRUPI V., and TENTORI K. (2010). Broadening the study of inductive reasoning: Confirmation judgments with uncertain evidence. *Memory & Cognition*, 38: 941-950.
- CRUPI V. and TENTORI K. (2010). Irrelevant conjunction: Statement and solution of a new paradox. *Philosophy of Science*, 77: 1-13.
- TENTORI K., CRUPI V., and OSHERSON D. (2010). Second-order probability affects hypothesis confirmation. *Psychonomic Bulletin and Review*, 17: 129-134.
- CRUPI V., TENTORI K., and LOMBARDI L. (2009). Pseudodiagnosticity revisited. *Psychological Review*, 116: 971-985.
- CRUPI V., FESTA R., and MASTROPASQUA T. (2008). Bayesian confirmation by uncertain evidence: A reply to Huber (2005). *British Journal for the Philosophy of Science*, 59: 201-211.
- CRUPI V., FITELSON B., and TENTORI K. (2008). Probability, confirmation, and the conjunction fallacy. *Thinking and Reasoning*, 14: 182-199.
- TENTORI K., CRUPI V., and OSHERSON D. (2007). Determinants of confirmation. *Psychonomic Bulletin and Review*, 14: 877-883.
- CRUPI V., TENTORI K., and GONZALEZ M. (2007). On Bayesian measures of evidential support: Theoretical and empirical issues. *Philosophy of Science*, 74: 229-252.
- TENTORI K., CRUPI V., BONINI N., and OSHERSON D. (2007). Comparison of confirmation measures. *Cognition*, 103: 107-119.
- CRUPI V. (2007). The sink and the murder scene: Rise and fall of a causal model in AIDS pathogenesis. *Logic & Philosophy of Science*, 5, pp. 9-32.

### **Abstracts (English)**

- NELSON J.D., CRUPI V., MEDER B., CEVOLANI G., and TENTORI K. (2017). A unified model of entropy and the value of information. In G. Gunzelmann, A. Howes, T. Tenbrink, and E.J. Davelaar (eds.), *Proceedings of the 39<sup>th</sup> Annual Conference of the Cognitive Science Society*, Cognitive Science Society, Austin (TX), pp. 1459-1460.
- DUMAS F., GONZALEZ M., PASCAL C., GIROTTO V., CRUPI V., and BOTTON J.-F. (2012). Healthcare decisions are context-dependent: Violations of the regularity principle. *International Journal of Psychology*, 47 (Suppl. 1): 129.
- CEVOLANI G., CRUPI V., and FESTA R. (2012). A verisimilitudinarian analysis of the Linda paradox. In C. Martínez Vidal, J.L. Falguera, J.M. Sagüillo, V.M. Verdejo, and M. Pereira-Fariña (eds.), *Proceedings of the Seventh Conference of the Society for Logic, Methodology and Philosophy of Science in Spain*, Universidade de Santiago de Compostela, pp. 366-372.
- COZZI D., SCHIAVETTI A., CECCANTI S., FREDIANI S., MELE E., CRUPI V., and COZZI F. (2010). Decision analysis to compare treatment options for stage I intermediate-risk Wilms' tumor. *Pediatric Blood & Cancer*, 55: 792.

TENTORI K. and CRUPI V. (2009). Explaining the conjunction fallacy: Probability vs. confirmation. In N. Taatgen and H. van Rijn (eds.), *Proceedings of the 31<sup>st</sup> Annual Conference of the Cognitive Science Society*, Vrije Universiteit, Amsterdam, p. 254.

### **Book chapters (English)**

CEVOLANI G. and CRUPI V. (2022). Truth, probability, and evidence in judicial reasoning: The case of the conjunction fallacy. In P. Bystranowski, B. Janik, and M. Próchnicki (eds.), *Judicial Decision-Making*, Springer, pp. 105-121.

MEDER B., CRUPI V., and NELSON J.D. (2022). What makes a good query? In I. Cogliati Dezza, E. Schulz, and C.M. Wu (eds.), *The Drive for Knowledge: The Science of Human Information-Seeking*, Cambridge University Press, pp. 101-123.

CRUPI V. (2020). Knowledge, cognition, and science communication. In V. Guarneri (ed.), *Picturing the Communication of Science*, Torino, pp. 47-60 ([http://www.vincenzocrupi.com/website/wp-content/uploads/2020/12/Crupi2020\\_PICSeng.pdf](http://www.vincenzocrupi.com/website/wp-content/uploads/2020/12/Crupi2020_PICSeng.pdf)).

CRUPI V. (2019). Measures of biological diversity: Overview and unified framework. In E. Casetta, J. Marques da Silva, and D. Vecchi (eds.), *From Assessing to Conserving Biodiversity*, Springer, pp. 123-136.

CRUPI V. (2017). Generalized confirmation and relevance measures. In J.-W. Romeijn, M. Massimi, and G. Schurz (eds.), *Proceedings from EPSA15* (2015 Conference of the European Philosophy of Science Association), Springer, Berlin, pp. 285-296.

CEVOLANI G. and CRUPI V. (2015). Subtleties of naïve reasoning: Probability, confirmation, and verisimilitude in the Linda paradox. In M. Bianca and P. Piccari (eds.), *Epistemology of Ordinary Knowledge*, Cambridge Scholars, pp. 211-230.

CEVOLANI G., CRUPI V., and FESTA R. (2010). The whole truth about Linda: Probability, verisimilitude, and a paradox of conjunction. In M. D'Agostino, G. Giorello, F. Laudisa, T. Pievani, and C. Sinigaglia (eds.), *New Trends in Logic and Philosophy of Science*, College, London, pp. 603-615.

CRUPI V. and HARTMANN S. (2010). Formal and empirical methods in philosophy of science. In F. Stadler (ed.), *The Present Situation in the Philosophy of Science*, Springer, Berlin, pp. 87-98.

CRUPI V., FESTA R., and BUTTASI C. (2010). Towards a grammar of Bayesian confirmation. In M. Suárez, M. Dorato, and M. Rédei (eds.), *Epistemology and Methodology of Science*, Springer, Berlin, pp. 73-93.

### **Invited survey papers, chapters, and encyclopedia entries (English)**

CRUPI V. and TENTORI K. (2016). Confirmation theory. In A. Hájek and C. Hitchcock (eds.), *Oxford Handbook of Philosophy and Probability*, OUP, pp. 650-665.

CRUPI V. (2015). Inductive logic. *Journal of Philosophical Logic*, 44 (The Fortieth Anniversary Issue): 641-650.

CRUPI V. (2013/2021). Confirmation. In E. Zalta (ed.), *Stanford Encyclopedia of Philosophy* (<https://plato.stanford.edu/entries/confirmation/>)

### **Edited journal issues**

Special issue *Decision, uncertainty, and the history of philosophy*  
*Rivista di Filosofia*, 2023  
(coeditor with Malvina Ongaro)

Special issue *Decisione e incertezza: dai modelli alla realtà*  
*Sistemi Intelligenti*, 2023  
(coedited with Malvina Ongaro)

Papers from the 9<sup>th</sup> Annual Formal Epistemology Workshop (FEW 2012)  
*Erkenntnis*, 79 (2014), supplement 6  
(coedited with Ole Hjortland, Branden Fitelson, and Florian Steinberger)

Rationality in Medicine  
*Logic & Philosophy of Science*, 7 (2009)  
(coedited with Gian Franco Gensini)

### **Books (Italian)**

CRUPI V., GENSINI G.F., and MOTTERLINI M. (eds.) (2006). *La dimensione cognitiva dell'errore in medicina*.  
Franco Angeli, Milano.

MOTTERLINI M. and CRUPI V. (2005). *Decisioni mediche. Un punto di vista cognitivo*. Raffaello Cortina, Milano.

CRUPI V. (2002). *Presupporre e interpretare*. Vivarium (Istituto Italiano di Studi Filosofici), Napoli.

### **Articles (Italian)**

CRUPI V., CALDERISI M., PIGHIN S., and TENTORI K. (2022). Probabilità pandemiche: tre pezzi non troppo facili.  
*Sistemi Intelligenti*, 34: 329-341.

CALZAVARINI F., ELIA F., APRÀ F., and CRUPI V. (2020). Decisioni, euristiche e spinte gentili in ambito sanitario.  
Il caso del lavaggio mani. *Sistemi Intelligenti*, 33: 73-88.

CEVOLANI G. and CRUPI V. (2017). Come ragionano i giudici: Razionalità, euristiche e illusioni cognitive.  
*Criminalia: Annuario di scienze penali*: 181-208.

CRUPI V. and FESTA R. (2009). Dai giochi d'azzardo ai test diagnostici: la teoria della decisione nella medicina  
clinica. *Logic & Philosophy of Science*, 7 (special issue, Rationality in Medicine): 69-94.

FESTA R., CRUPI V., and GIARETTA P. (2009). Deduzione, induzione e abduzione nelle scienze mediche. *Logic  
& Philosophy of Science*, 7 (special issue, Rationality in Medicine): 41-68.

CRUPI V. (2008). Errore, decisione e razionalità in medicina. *L'arco di Giano*, 55: 29-41.

CRUPI V. (2008). Dal linguaggio al dialogo: due ipotesi sull'interpretazione. *Tropos* (special issue): 39-54.

CRUPI V. (2005). Aspetti cognitivi della razionalità medica: dall'evidenza alla decisione. *Nuova civiltà  
delle macchine*, 23 (4) (special issue: Uncertainty and Method in Medicine): 59-68.

CRUPI V. (2003). L'interpretazione in discussione (I): Universalità e linguisticità nell'ermeneutica filosofica. *Iride*,  
16: 493-510.

CRUPI V. (2002). L'interpretazione in discussione (II): Una rassegna e una valutazione di alcuni argomenti  
contro l'ermeneutica filosofica. *Fenomenologia e società*, 25 (2): 123-147.

CRUPI V. (2002). Ancora Duhem e Quine. L'olismo epistemologico e la complessità del ragionamento  
scientifico. *Epistemologia*, 25: 5-38.

CRUPI V. (2000). Epistemologia del caso-Aids: un case-study per la metodologia dei programmi di ricerca  
scientifici. *Epistemologia*, 23: 243-280.

CRUPI V. (2000). Tematizzazione e matematizzazione. Note sulla filosofia della scienza di Heidegger (1925-1938). *Filosofia*, 51: 251-275.

CRUPI V. (1999). Scienza, ontologia, metafisica. Heidegger e I nomi della filosofia. *Iride*, 12: 627-644.

CRUPI V. (1999). Hempel vs. Lakatos: la metodologia dei programmi di ricerca scientifici e il problema dei presupposti. *Epistemologia*, 22: 189-222.

### **Book chapters (Italian)**

CRUPI V. and Saúl Pérez-González (2022). L'ipercubo della comunicazione della scienza. In V. Guarnieri (ed.), *Scienza, comunicazione e relazione di cura*, Torino, pp. 72-81 ([https://www.wearepics.it/wp-content/uploads/2022/12/PiCS3\\_Impaginato\\_digital.pdf](https://www.wearepics.it/wp-content/uploads/2022/12/PiCS3_Impaginato_digital.pdf)).

CRUPI V. (2020). R. Carnap, *La costruzione logica del mondo*. In G. Bonino, C. Gabbani, and P. Tripodi (eds.) *Biblioteca analitica: I testi fondamentali*. Carocci, Roma, pp. 79-89.

CRUPI V. (2019). Cognizione, conoscenza e comunicazione della scienza. *Picturing the Communication of Science*, Torino, pp. 47-60 ([http://www.follediscienza.it/wp-content/uploads/2019/10/Pubblicazione\\_finale\\_online\\_1-1.pdf](http://www.follediscienza.it/wp-content/uploads/2019/10/Pubblicazione_finale_online_1-1.pdf)).

CRUPI V. (2016). Razionalità, ragionamento e cognizione. In M. Dell'Utri and M. Rainone (eds.), *I modi della razionalità*, Mimesis, pp. 81-98.

CRUPI V. and TENTORI K. (2013). Il ragionamento induttivo. In V. Girotto (ed.), *Introduzione alla psicologia del pensiero*, Il Mulino, Bologna, pp. 13-40.

CRUPI V. and FESTA R. (2010). La decisione nella medicina clinica. In A. Pagnini (ed.), *Filosofia della medicina*, Carocci, Roma, pp. 289-311.

FESTA R., CRUPI V., and GIARETTA P. (2010). Forme di ragionamento e valutazione delle ipotesi nelle scienze mediche. In A. Pagnini (ed.), *Filosofia della medicina*, Carocci, Roma, pp. 117-140.

FESTA R., BUTTASI C., and CRUPI V. (2009). Evidenza incerta e probabilità delle diagnosi: estensioni dell'approccio bayesiano alla pratica clinica. In P. Giaretta, A. Moretto, G.F. Gensini, and M. Trabucchi (eds.), *Filosofia della medicina*, Il Mulino, Bologna, pp. 565-609.

CRUPI V. (2007). I processi decisionali in contesti di emergenza e urgenza. In G. Trabucco and F. Buonocore (eds.) *Pronto soccorso. Triage*, Libreria Cortina, Verona, pp. 89-101.

### **ALTRO**

CRUPI V., *Scienza (Le parole della filosofia, Corriere della Sera, febbraio 2023)*.

CEVOLANI G. and CRUPI V., *I paradossi della credenza razionale (I paradossi della scienza, Le Scienze, settembre 2022)*.

### **TALKS**

#### **Invited**

79. *Interpretations of probability for future theorists*. Workshop *Truth, future, and probability*, Università Cattolica, Milano, 1 December 2022.

78. *Conditionals, arguments, and reasons* (lecture series). 4<sup>th</sup> Urbino Summer School in Epistemology, Urbino, 29 August – 2 September 2022.



77. *A critique of pure Bayesian cognitive science*. Workshop *Bayesianism and its rivals*, Harvard / Northeastern University, Boston, 11-12 March 2022.
76. *Evidential conditionals* (online talk). Prolog Conference 2021, Munich Center for Mathematical Philosophy, 1 September 2021. <https://www.youtube.com/watch?v=XeSJw4PeREw>
75. *Generalized entropies, uncertainty, and evidence* (online lecture). Prolog 2021 Summer School, Munich Center for Mathematical Philosophy, 31 August 2021.
74. *Wason and the ravens: A comprehensive accuracy-based analysis*. Workshop *Scientific models and scientific inference*, Castelvecchio, 8 July 2021.
73. *Evidential conditionals* (online seminar). LOGOS Colloquium, Barcelona, 24 March 2021.
72. *Il ragionamento clinico in tempi di pandemia* (with F. Elia). X Interregional Congress of the Italian Society of Internal Medicine (SIMI) (Piemonte / Liguria / Val d'Aosta section) (online conference), 26 November 2020.
71. *Una critica della scienza cognitiva bayesiana pura* (online seminar). Department of Literature, Philosophy, and Communication, University of Bergamo, 27 October 2020.
70. *Euristiche, bias, e "spinte gentili"* (with G. Cevolani). Nudge Day #2 – Scienze comportamentali, complessità e spinte gentili: esperienze e opportunità (online conference), ARS Toscana, 21 October 2020.
69. *From scoring rules to the value of evidence* (lecture series). Perspectives on Scientific Error #4, Castelvecchio, 16-17 July 2020.
68. *The logic, semantics, and psychology of evidential conditionals* (online seminar). Linguae seminar series, Institut Jean Nicod, 19 March 2020.
67. *Rationality and reasoning research: A guide for the perplexed*. 16th Annual Conference of the Italian Association for Cognitive Sciences (AISC), Roma, 13 December 2019.
66. *Three ways of being non-material* (with A. Iacona). 5<sup>th</sup> Workshop on Connexive Logics, Ruhr University, Bochum, 29 November 2019.
65. *A critique of pure Bayesian cognitive science*. Workshop *Rationality, Logic, and Scientific Realism*, University of Trieste, 18 October 2019.
64. *A critique of pure Bayesian cognitive science*. Workshop *Bayesians: Current Topics in Cognitive Science*, Ruhr University, Bochum, 10 October 2019.
63. *Errori cognitivi in medicina*. Scuola di Alta Formazione sul Ragionamento Clinico in Era Digitale, Collegio San Tommaso, Bologna, 17 September 2019.
62. *Rationality debates in contemporary cognitive science* (lecture series). 26<sup>th</sup> International Summer School in Cognitive Science, New Bulgarian University, Sofia, 8-12 July 2019.
61. *Nudge in sanità: come migliorare le scelte e orientare i comportamenti* (with F. Elia and F. Calzavarini). Nudge Day #1 – Scienze comportamentali, complessità e spinte gentili: gli orizzonti nudge per la sanità, ARS Toscana, Firenze, 15 maggio 2019.
60. *Nudge in medicina: opportunità e problemi aperti* (with F. Elia). Policlinico, Milano, 3 April 2019.
59. *Come pensano i "dottori": ragionamento e decisione nella medicina clinica*. Polo Universitario ASST Fatebenefratelli-Sacco, Milano, 29 March 2019.
58. *Three ways of being non-material* (with A. Iacona). Third Workshop of the European Non-Categorical Thinking Project, Cambridge (UK), 25 March 2019.

57. *Rationality and reasoning research: A guide for the perplexed*. Workshop *Probability and Rational Inference in Economics and Psychology*, University of Milan, 22 March 2019.
56. *Errare è umano: perché è necessario ripensare l'errore in medicina* (with F. Elia). IX Interregional Congress of the Italian Society of Internal Medicine (SIMI) (Piemonte / Liguria / Val d'Aosta section), Rapallo, 15 March 2019.
55. *Theory-choice in logic: A view from philosophy of science*. Joint IUSS / Bergen / Cogito Conference *Anti-Exceptionalism and Pluralism: From Logics to Mathematics*, Pavia, 8 March 2019.
54. *Il ragionamento clinico*. X Giornate Piemontesi di Medicina Clinica, Cuneo, 12 October 2018.
53. *Beyond Shannon: Generalized entropies and rational inquiry*. Workshop *Bayes by the Sea: Formal Epistemology, Statistics, and Probability*, Università Politecnica delle Marche, Ancona, 13 September 2018.
52. *The logic of evidential conditionals*. Workshop *New Perspectives on Conditionals and Reasoning*, Regensburg, 5 September 2018.
51. *Rationality and reasoning: A guide for the perplexed*. 2<sup>nd</sup> Conference of the East European Network for Philosophy of Science (EENPS), Comenius University, Bratislava, 20 June 2018.
50. *One, but not the same: Probabilistic confirmation vs. explanatory power*. Conference *Explanatory Power*, University of Geneva, 15 June 2018.
49. *Risk literacy vs. nudging in medicina* (with F. Elia). VIII Interregional Congress of the Italian Society of Internal Medicine (SIMI) (Piemonte / Liguria / Val d'Aosta section), Rapallo, 10 March 2018.
48. *La "nudge revolution" in medicina interna*. IX Giornate Piemontesi di Medicina Clinica, Cuneo, 28 September 2017.
47. *Clinical reasoning in internal medicine* (with F. Elia). 2<sup>nd</sup> Spring Congress, Swiss Society of General Internal Medicine, Losanna, 5 May 2017.
46. *La "nudge revolution" in medicina: opportunità e problemi aperti* (with F. Elia). VII Interregional Congress of the Italian Society of Internal Medicine (SIMI) (Piemonte / Liguria / Val d'Aosta section), Rapallo, 11 March 2017.
45. *Rationality and reasoning: A guide for the perplexed*. COGITO Centre Seminar, Bologna, 25 January 2017.
44. *Rationality and reasoning: A guide for the perplexed*. IUSS Open Seminar, Center for Neurocognition, Epistemology, and Theoretical Syntax, Pavia, 24 January 2017.
43. *Rationality and reasoning: A guide for the perplexed*. Workshop *The Relevance of Logic for Human Reasoning* Munich Center for Mathematical Philosophy, Munich, 18 November 2016.
42. *L'errore in medicina*. VIII Giornate Piemontesi di Medicina Clinica, Cuneo, 6 October 2016.
41. *Varieties of uncertainty: The case to go beyond Shannon entropy (and Kullback-Leibler)*. Conference *Realism, Progress, and Cognitive Values*, University of Trieste, 30 September 2016.
40. *Norms vs. evidence in reasoning research* (lecture series). International Rationality Summer Institute, Aurich (Germany), 5-8 September 2016.
39. *Red pill or blue pill? Clinical decision making in internal medicine* (with F. Elia). 15<sup>th</sup> European Congress of Internal Medicine, Amsterdam, 3 September 2016.
38. *From is to ought, and back: The role of normative concerns in reasoning research*. Conference in honor of Vittorio Giarola, University College London, 28 July 2016.
37. *Razionalità e ragionamento in medicina*. Policlinico, Milan, 19 April, 2016.

36. *Errore e organizzazione: perché sbagliamo?* Regional Congress of the Italian Society of Emergency Medicine (SIMEU), Casale Monferrato, 4 March 2016.
35. *Gini vs. Shannon: The case for quadratic entropy in formal philosophy of science*. Entropy Workshop, Ludwigsburg, 16 February 2016.
34. *Razionalità, cognizione ed evidenza in medicina clinica*. Conference *Filosofia e medicina*, University of Turin, Circolo dei Lettori, 22 January 2016.
33. *A logic of inductive conditionals: Why we need it and how to get it*. First Workshop of the European Non-Categorical Thinking Project, Leeds, 20 January 2016.
32. *Gini vs. Shannon: The case for quadratic entropy in formal philosophy of science*. Seminar Series, Munich Center for Mathematical Philosophy, Ludwig Maximilian University, Munich, 26 November 2015.
31. *Limiti del ragionamento clinico* (with F. Elia). 116<sup>th</sup> National Congress of the Italian Society of Internal Medicine, Rome, 12 October 2015.
30. *Judgments of conditional probability vs. evidential support: An experimental comparison in accuracy and time-consistency*. Bridges 2 Workshop, Rutgers Philosophy Department, 20 September 2015.
29. *One, but not the same: Bayesian confirmation theories and their implications*. PhD Seminar Series, University of Rome TRE, Rome, 13 May 2015.
28. *Il ragionamento nella diagnosi*. Workshop *Le ragioni degli esami: aspetti filosofici e psicologici della diagnostica per immagini*, Bertinoro, 24 April 2015.
27. *Likelihood principles and the grammar of Bayesian confirmation* (with G. Cevolani and R. Festa). Conference *Model Selection: Ockham's Razors and Related Issues*, Padova, 15 April 2015.
26. *Indicative conditionals and probabilistic support*. Workshop *Reasoning and Making Decisions*, Ludwigsburg, 17 November 2014.
25. *Il modello cognitivista dell'errore in medicina* (with G. Cevolani). IX National Congress of the Italian Society of Emergency Medicine, Turin, 7 November 2014.
24. *Models of rationality and the psychology of reasoning: From is to ought, and back*. Seminar Series of the Munich Center for Mathematical Philosophy, Ludwig Maximilian University, Munich, 16 April 2014. (video: <https://www.youtube.com/watch?v=sL5LkYOzO1M&t=3s>)
23. *The logic and psychology of evidential support*. Logic and Philosophy of Science Seminar, Florence, 7 March 2014.
22. *Come pensano i "dottori": gli errori del ragionamento clinico* (with F. Elia). Italian Society of Internal Medicine Conference of the Piemonte–Liguria–Valle d'Aosta Section, Turin, 28 November 2013.
21. *Errori, euristiche e probabilità: quanto è ingenuo il ragionamento ingenuo?* Conference *Epistemology of Ordinary Knowledge*, University of Siena, Arezzo, 9 October 2013.
20. *Probability, confirmation, and the conjunction fallacy: Theoretical and experimental advances*. Theoretical Philosophy Colloquium, Heinrich Heine University, Düsseldorf, 11 December 2012.
19. *Formal epistemological explication: News for the Bayesian agenda*. Workshop *Realism, Antirealism, and the Aims of Science*, University of Trieste, 30 June 2012.
18. *Formal epistemological explication: News for the Bayesian agenda*. Formal Epistemology Group, University of Konstanz, 19 March 2012.
17. *Formal epistemological explication: News for the Bayesian agenda*. Workshop *Bayesian methods in philosophy*, Munich Center for Mathematical Philosophy, Ludwig Maximilian University, Munich, 15 June, 2011.

16. *Subtleties of information search: The pseudodiagnosticity case*. Seminar, Cognitive Psychology Lab, University of Aix-Marseille, Marseille, 15 June 2010.
15. *Decisione, rischio ed errore: Implicazioni per la medicina d'urgenza*. Seminar, Department of Intensive Care, EOC (Switzerland), Mendrisio, 29 April 2010.
14. *Subtleties of human inductive reasoning: Probability, confirmation, and information search*. Seminar, Adaptive Behavior and Cognition Group, Max Planck Institute for Human Development, Berlin, 24 February 2010.
13. *Confirmation, verisimilitude, and a paradox of conjunction*, Workshop *Probability, Confirmation, and Verisimilitude*. Department of Philosophy, University of Trieste, Trieste, 12 September 2009.
12. *Rationality and reasoning: Bayesian perspectives on human behavior*. Seminar, Center for the History and Methods of Political Economics, University of Turin, Turin, 27 March 2009.
11. *Inductive reasoning in human cognition*. Conference *The Psychology of Argumentation and Inductive Reasoning* Tilburg University, Tilburg, 21 November 2008.
10. *The diagnosticity of evidence and the pseudoevidence for pseudodiagnosticity*. Seminar, Center for Mind/Brain Sciences (CIMEC), University of Trento, Rovereto, 16 April 2008.
9. *The diagnosticity of evidence and the pseudoevidence for pseudodiagnosticity*. Workshop *Probability, Confirmation, and Fallacies*, Center for Logic and Analytic Philosophy, University of Leuven, Leuven, 5 April 2008.
8. *Quali vincoli cognitivi possono influenzare le decisioni mediche?* Workshop *Psychology and Medical Decision Making*, Annual Conference of the Italian Psychological Association, Como, 16 September 2007.
7. *Errore cognitivo ed errore diagnostico*. Advanced School for Healthcare Executives, Lombardy Regional Institute for Education in Public Administration, Milan, 14 May 2007.
6. *Evidenza incerta e valutazione probabilistica delle diagnosi* (with R. Festa and C. Buttasi). Conference *Filosofia della medicina: Ontologia, modelli, metodo clinico, metodiche ed errori*, Verona, 10 February 2007.
5. *Bayesian confirmation theory as inductive logic: Principles and applications*. Workshop *The Cognitive Structure of Uncertainty and Scientific Inquiry*, Department of Philosophy, University of Trieste, Trieste, 27 January 2007.
4. *La dimensione cognitiva dell'errore in medicina*. Conference *The oncology specialist*, Italian National Institute for Cancer Research and Italian Association of Medical Oncology, Milan, 23 October 2006.
3. *Trappole cognitive nel processo decisionale*. Annual Conference of the Italian Association for Non-Invasive Diagnostics in Dermatology, Palermo, 24 June 2005.
2. *On Bayesian measures of evidential support*. Programme *Evidence, Inference, and Inquiry*, Department of Statistical Science, UCL, London, 27 May 2005.
1. *The AIDS-debate as a case-study: Causation, theory-choice, and heresy*. Research seminar for the philosophy of the natural sciences, Department of Logic, Philosophy, and Scientific Method, LSE London, 27 February 2002.

#### **International refereed conference contributions**

51. CRUPI V. and CALZAVARINI F., *A critique of pure Bayesian cognitive science*. 2022 Meeting of the Philosophy of Science Association, Pittsburgh (USA), 11 November 2022.
50. CRUPI V., *A predictivist vindication of early Copernicanism*. Imre Lakatos Centenary Conference, London School of Economics, 4 November 2022.

49. RAIDL E., IACONA A., and CRUPI V., *The logic of the evidential conditional*. Logic Colloquium (online event), Adam Mickiewicz University, Poznań, 22 July 2021.
48. RAIDL E., IACONA A., and CRUPI V., *The logic of the evidential conditional*. 6<sup>th</sup> Workshop on Connexive Logics (online event), Ruhr-University Bochum, 4 December 2020.
47. CRUPI V. and IACONA A., *The evidential conditional*, 10<sup>th</sup> European Congress of Analytic Philosophy, Utrecht, 24 August 2020.
46. CRUPI V., CALZAVARINI F., ELIA F., and APRÀ F., *Nudging in healthcare: The case of hand hygiene*. 16th Annual Conference of the Italian Association for Cognitive Sciences (AISC), Roma, 11 December 2019.
45. CRUPI V., *The logic of evidential conditionals*. European Conference for Cognitive Science, Bochum, 2 September 2019.
44. NELSON J.D., CRUPI V., FILIMON F., and COTTRELL G.W., *On falsification and optimal experimental design approaches to the value of information*. 41<sup>st</sup> Annual Meeting of the Cognitive Science Society, Montreal, 27 July 2019.
43. CEVOLANI G., CRUPI V., and FESTA R., *The whole truth about Dina: Judicial reasoning and the conjunction fallacy*. 29<sup>th</sup> Biennial World Congress of the International Association for the Philosophy of Law and Social Philosophy, Lucerne, 8 July 2019.
42. TENTORI K., CRUPI V., DRAGONE P., FAIT S., and PASSERINI A., *Judging forecasting accuracy: How human intuitions meet formal models*. Biennial Conference on Subjective Probability, Utility, and Decision Making, Israel Institute of Technology, Haifa, 22 August 2017.
41. NELSON J.D., CRUPI V., MEDER B., CEVOLANI G., and TENTORI K., *A unified model of entropy and the value of information*. Annual Meeting of the Cognitive Science Society, London, 28 July 2017.
40. NELSON J.D., CRUPI V., MEDER B., CEVOLANI G., and TENTORI K., *Beyond Shannon entropy: A unified mathematical framework for entropy and its importance for understanding human active learning*. Annual Meeting of the Psychonomic Society, Boston, 20 November 2016.
39. TENTORI K., PASSERINI A., and CRUPI V., *Judging forecasting accuracy: How human intuitions meet theoretical models*. International Conference on Thinking, Brown University, Providence (RI), 4 August 2016.
38. COLOMBO M., LAI J., and CRUPI V., *Sleeping Beauty goes to the lab: The psychology of self-locating evidence*. International Conference on Thinking, Brown University, Providence (RI), 4 August 2016.
37. CRUPI V., NELSON J.D., MEDER B., CEVOLANI G., and TENTORI K., *Shannon and beyond: Generalized entropies and rational information search*. Conference of the European Philosophy of Science Association, Düsseldorf, 23 September 2015.
36. CRUPI V., NELSON J.D., MEDER B., CEVOLANI G., and TENTORI K., *Beyond Shannon entropy: A Unified mathematical framework for entropy measures and its importance for understanding human active learning* [poster]. Biennial Conference on Subjective Probability, Utility, and Decision Making, Budapest, 16-20 August 2015.
35. CRUPI V., NELSON J.D., MEDER B., CEVOLANI G., and TENTORI K., *How a unified mathematical approach to entropy can help us understand human intuitions and design better experiments*. Workshop on *Optimal experimental design*, Annual Conference of the Cognitive Science Society, Pasadena, 22 July 2015.
34. NELSON J.D., CRUPI V., MEDER B., CEVOLANI G., and TENTORI K., *Beyond Shannon entropy: A Unified mathematical framework for entropy measures and its importance for understanding human active learning*. Annual Meeting of the Society for Mathematical Psychology, Newport Beach, 20 July 2015.

33. CRUPI V., NELSON J.D., MEDER B., CEVOLANI G., and TENTORI K., *Shannon and beyond: Generalized entropies and rational information search*. Seventh International Conference on Model-Based Reasoning, Sestri Levante, 26 June 2015.
32. NELSON J.D., MEDER B., SZALAY C., CRUPI V., and TENTORI K., *Implications of disregarding objective utilities when selecting a medical test*. Annual Meeting of the Psychonomic Society, Long Beach, 23 November 2014.
31. NELSON J.D., MEDER B., SZALAY C., CRUPI V., and TENTORI K., *On selecting experiments given uncertainty about actual payoff structures*. Annual Meeting of the European Society for Philosophy and Psychology, Noto, 17 September, 2014.
30. NELSON J.D., MEDER B., SZALAY C., CRUPI V., and TENTORI K., *Implications of disregarding objective utilities when selecting a medical test* [poster]. Biennial European Meeting of the Society for Medical Decision Making, Antwerp, 10 June 2014.
29. CRUPI V. and GIROTTO V., *Models of rationality and the psychology of reasoning: From is to ought, and back*. Nordic Network for Philosophy of Science Meeting, Lund, 27 March 2014.
28. NELSON J.D., SZALAY C., MEDER B., CRUPI V., GIGERENZER G., and TENTORI K., *On optimality conditions for the likelihood difference*. Annual Meeting of the Society of Mathematical Psychology, Potsdam, 5 August 2013.
27. ZHAO J., CRUPI V., TENTORI K., FITELSON B., and OSHERSON D., *Updating: Learning vs. supposing*. Annual Meeting of the Cognitive Science Society, Sapporo, 2 August 2012.
26. CEVOLANI G., CRUPI V., and FESTA R., *A verisimilitudinarian approach to the Linda paradox*. Seventh Conference of the Society for Logic, Methodology and Philosophy of Science in Spain, Santiago de Compostela, 19 July 2012.
25. TENTORI K., CHATER N., and CRUPI V., *Probability vs. confirmation judgments: A comparison in accuracy and test-retest reliability*. Seventh International Conference on Thinking, Birkbeck College and UCL, London, 4 July 2012.
24. CEVOLANI G., CRUPI V., and FESTA R., *More verisimilar banking: A novel analysis of the Linda paradox*. Biennial Conference of the European Philosophy of Science Association, University of Athens, Athens, 7 October 2011.
23. CRUPI V. and TENTORI K., *Two representation theorems for probabilistic explanatory power*. Conference *Formal epistemology meets experimental philosophy*, Tilburg University, 30 September 2011.
22. TENTORI K., CRUPI V., and RUSSO S., *New evidence on probability, confirmation, and the conjunction fallacy*. Conference *Formal epistemology meets experimental philosophy*, Tilburg University, 29 September 2011.
21. CRUPI V. and TENTORI K., *Confirmation as partial entailment: A representation theorem in inductive logic*. Prolog 2011: The Fifth Workshop on Combining Probability and Logic, Columbia University, New York, 11 September 2011.
20. CRUPI V., CHATER N., and TENTORI K., *New axioms for probability and likelihood ratio measures*. Seventh European Congress of Analytic Philosophy, Milan, 5 September 2011.
19. IRANZO V. and CRUPI V., *Adhocness from a Bayesian point of view*. Seventh European Congress of Analytic Philosophy, Milan, 5 September 2011.
18. COZZI D.A., SCHIAVETTI A., CECCANTI S., FREDIANI S., MELE E., CRUPI V., and COZZI F., *Decision analysis to compare treatment options for stage I intermediate risk Wilms' tumor*. Congress of the International Society of Pediatric Oncology, Boston (MA), 22 October 2010.

17. TENTORI K., CRUPI V., and DIVAN C., *Mind the gap: Physicians' assessment of patients' decision weights in localized prostate cancer treatment*. Fifth International Workshop on Clinical Reasoning, London, 18 April 2010.
16. CRUPI V., *Epistemology – formal and empirical: Bayesian confirmation theory as a case-study*. Conference *The future of philosophy of science*, Tilburg University, 14 April 2010.
15. CRUPI V. and TENTORI K., *Probability, confirmation, and the conjunction fallacy: Theoretical and experimental advances*. Sixth Congress of the Society for Logic, Methodology and Philosophy of Science in Spain, Valencia, 20 November 2009.
14. CRUPI V. and TENTORI K., *Bayesian confirmation theory and information search decision making*. Third Congress of the French Society for Philosophy of Science, Paris, 12 November 2009.
13. CEVOLANI G., CRUPI V., and FESTA, R., *Verisimilitude and belief change for propositional theories*. Biennial Conference of the European Philosophy of Science Association, Amsterdam, 21 October 2009.
12. MASTROPASQUA T., TENTORI K., and CRUPI V., *Bayesian confirmation by uncertain evidence*. Biennial Conference on Subjective Probability, Utility, and Decision Making, Rovereto, 25 August 2009.
11. TENTORI, K. CRUPI V., and RUSSO S., *Explaining the conjunction fallacy*. Biennial Conference on Subjective Probability, Utility, and Decision Making, Rovereto, 23 August 2009.
10. TENTORI K. and CRUPI V., *Explaining the conjunction fallacy: Probability vs. confirmation*. Annual Meeting of the Cognitive Science Society, Amsterdam, 30 July 2009.
9. CRUPI V., TENTORI K., and LOMBARDI L., *Reassessing the evidence for 'pseudodiagnosticity'*. Sixth International Conference on Thinking, Venice, 23 August 2008.
8. CRUPI V. and TENTORI K., *Good questions: Inductive confirmation and the value of information*. Sixth International Conference on Thinking, Venice, 21 August 2008.
7. TENTORI K., CRUPI V., and OSHERSON D., *Determinants of confirmation*. Sixth International Conference on Thinking, Venice, 21 August 2008.
6. FESTA R., CRUPI V., and BUTTASI C., *The grammar of confirmation*. First Biennial Conference of the European Philosophy of Science Association, Madrid, 16 November 2007.
5. TENTORI K., CRUPI V., and OSHERSON D., *Confirmation may depend on more than probability*. Biennial Conference on Subjective Probability, Utility, and Decision Making, Warsaw, 22 August 2007.
4. CRUPI V., FITELSON B., and TENTORI K., *Probability, confirmation, and the conjunction fallacy*. Conference *Confirmation, induction, and science*, London School of Economics, London, 8 March 2007.
3. CRUPI V., TENTORI K., and OSHERSON D., *Predicting confirmation judgments: A comparison of Bayesian measures* [poster]. Annual Conference of the Society for Judgment and Decision Making, Toronto, 11-14 November 2005.
2. TENTORI K., CRUPI V., BONINI N., and OSHERSON D., *On the psychology of confirmation: Inductive inferences in a probabilistic task*. Biennial Conference on Subjective Probability, Utility, and Decision Making, Stockholm, 22 August 2005.
1. CRUPI V., *The sink and the murder scene: Rise and fall of a causal model in contemporary medicine*. Philosophical Issues in the Biomedical Sciences, UAB Department of Philosophy & Center for Ethics and Values in the Sciences, Birmingham (AL), 14 May 2005.

## Others

CRUPI V., *The one coherent argument in Pascal's wager*. Science & More Seminars, University of Turin, 23 March 2022.

CRUPI V. and ELIA F., *Come pensano i "dottori": ragionamento e decisione della medicina clinica*. Graduate School in Internal Medicine, San Paolo Hospital, Milano, 19 February 2020

CRUPI V. and ELIA F., *When things go wrong: Hindsight bias meets medical error*. Midterm Conference 2019 of the Italian Association of Cognitive Science (AISC), IMT School of Advanced Studies, Lucca, 23 May 2019.

CRUPI V. and SPRENGER J., *Unifying causal strength and explanatory power*. 11<sup>th</sup> MuST (Munich-Sidney-Tilburg/Turin) Conference in Philosophy of Science, Center for Logic, Language, and Cognition, Turin, 12 June 2018.

CRUPI V. and TENTORI K., *Reasoning and argumentation in the experimental study of reasoning and argumentation*. Conference *Reasoning and Argumentation in Science*, Center for Advanced Studies, Ludwig Maximilian University, Munich, 1 June 2017.

TENTORI K. and CRUPI V., *From entropy models to scoring rules*. Sixth Annual Meeting of the Priority Program *New Frameworks of Rationality* (SPP 1516), Etelsen, 7 March 2017.

CRUPI V., *Categorical induction: A view from Bayesian epistemology*. Workshop *Categorization, Language, and Inductive Learning: Theoretical and experimental perspectives*, Center for Logic, Language, and Cognition, University of Turin, 10 March 2016.

CRUPI V. and CEVOLANI G., *Spiegare l'irrazionalità? Il caso della fallacia della congiunzione*. Workshop *Modelli della spiegazione: logica, scienza, cognizione*, Scuola Superiore di Studi Umanistici, Bologna, 21 October 2015.

CRUPI V., NELSON J.D., MEDER B., CEVOLANI G., and TENTORI K., *Shannon and beyond: Generalized entropies and rational information search*. Fourth Annual Meeting of the Priority Program *New Frameworks of Rationality* (SPP 1516), Etelsen, 17 March 2015.

CRUPI V., *Norme di razionalità e psicologia del ragionamento: Una guida per i perplessi*. Workshop *Judgment and Decision: In Honor of Michel Gonzalez*, IUAV, Venice, 2 October 2014.

CRUPI V. and GIROTTO V., *Models of rationality and the psychology of reasoning: From is to ought, and back*. Conference of the Italian Society for Logic and Philosophy of Science, Rome, 20 June 2014.

CRUPI V., *A probabilistic account of partial entailment and refutation*. Conference of the Italian Society for Logic and Philosophy of Science, Rome, 19 June 2014.

CRUPI V., MEDER B., NELSON J.D., TENTORI K., and MARTIGNON L., *Pathways between Bayesian confirmation theories and models of information search*. Second Annual Meeting of the Priority Program *New Frameworks of Rationality* (SPP 1516), Etelsen, 6 March 2013.

CRUPI V., *One, but not the same: On probabilistic analyses of confirmation and explanatory power*. The Answers of Philosophy – SIFA Twentieth Anniversary Conference, Alghero, 14 September 2012.

CRUPI V., *The experimental investigation of confirmation judgments*. Workshop *Operationalizing Epistemic Concepts*, Aachen, 11 September 2012.

MEDER B., NELSON J.D., TENTORI K., MARTIGNON L., and CRUPI V., *Models of information search: A theoretical and empirical synthesis*. Kickoff Meeting of the Priority Program *New Frameworks of Rationality* (SPP 1516), Tutzing, 22 March 2012.



CRUPI V. and TENTORI K., *Irrelevant conjunction: Statement and solution of a new paradox*. Ninth Conference of the Italian Society of Analytic Philosophy, Padova, 25 September 2010.

CRUPI V., TENTORI K., and LOMBARDI L., *La pseudodiagnosticità rivisitata*. Annual Conference of the Italian Psychological Association, Chieti, 25 September 2009.

TENTORI K., CRUPI V., and RUSSO S., *Determinanti della fallacia della congiunzione: probabilità vs. conferma*. Annual Conference of the Italian Psychological Association, Padova, 19 September 2008.

MASTROPASQUA T., TENTORI K., and CRUPI V., *Conferma bayesiana con evidenza incerta*. Annual Conference of the Italian Psychological Association, Padova, 19 September 2008.

CEVOLANI G., CRUPI V., and FESTA R., *Probability, verisimilitude, and a paradox of conjunction*. Conference of the Italian Society for Logic and Philosophy of Science, Milan, 10 October 2007.

CRUPI V., TENTORI K., and GONZALEZ M., *On the logic and psychology of evidential support*. Seventh National Conference of the Italian Society of Analytic Philosophy, Milan, 19 September 2006.

CRUPI V., LOMBARDI L., and TENTORI K., *Pseudo-pseudodiagnosticità*. Annual Conference of the Italian Psychological Association, Rovereto, 13 September 2006.

TENTORI K., CRUPI V., and OSHERSON D., *Conferma induttiva e probabilità: limiti descrittivi dell'approccio bayesiano*. Annual Conference of the Italian Psychological Association, Rovereto, 13 September 2006.

## Interviews, public events, and outreach

Public lecture: *Probabilità: una, nessuno, o centomila?*

Collegio Ghisleri, Pavia, 12 December 2022

Radio interview: *Scienza e incertezza*

Eulero series, Radio Banda Larga, 11 February 2022

audio: <https://rbl.media/it/programs/eulero/>

Radio interview: Radio Tre Science, 4 February 2022 (*Così è, se vi pare*)

audio: <https://www.raiplaysound.it/audio/2022/02/Radio3-scienza-del-04022022-190a2eb4-bca8-4329-960b-0a76970c1f1d.html>

Conference: *Galileo uno di noi: un esperimento fra storia, scienza e letteratura*

Settimana dell'otium, Liceo Baldessano-Roccati (Carmagnola), 3 February 2022

Radio interview: Radio Tre Scienza, 3 September 2021 (*Incertezze, imprevisti e probabilità*)

audio: <https://www.raiplayradio.it/audio/2021/08/Inceteeze-imprevisti-e-probabilit-28bbab82-0c8e-4727-9d62-821ef6834677.html>

Conference and debate: *La scienza cambiata dalle macchine*

GiovedìScienza, 20 January 2022 (online event)

video: <https://www.giovediscienza.it/it/appuntamenti/531-la-scienza-cambiata-dalle-macchine>

Public lecture: *Diagnosi e sentenze: viaggio fra i bias cognitivi* (with G. Cevolani)

Festival della Scienza, Genova, 26 October 2021

Public lecture: *Diagnosi e sentenze: viaggio fra i bias cognitivi* (with G. Cevolani)

CICAP Fest 2021, Padova, 5 September 2021

Panel discussion: *La bufala viaggia sui social: ma è davvero così?*

CICAP Fest 2021, Padova, 5 September 2021

Roundtable *Philosophical aspects of non-classical logics*

LogicMX, 5 July 2021 (online event)

video: <https://www.youtube.com/watch?v=0xDtjUeT8LY>

Review: *Perché fidarsi della scienza*, di Naomi Oreskes

*Query*, 45 (2021)

<https://www.cicap.org/n/articolo.php?id=1800689>

Panel discussion: *L'incerto e il disinformato: due tipi psicologici di fronte alle decisioni in tempo di pandemia (e non solo)*

Festival della complessità 2021, 27 May 2021 (online event)

video: <https://www.youtube.com/watch?v=8t3Mu9eINc4>

Panel discussion: *Cosa è fake e cosa no: il difficile confine tra verità e disinformazione nell'informazione scientifica*

UNIVERSITIAMO, Università di Pavia, 11 March 2021 (online event)

video: <https://www.youtube.com/watch?v=Z03O1NlryW0>

Podcast: *Probabile / possibile*

Incerto series, by Filtri, 3 February 2021

audio: [https://www.filtri.xyz/2021/02/03/incerto-3-probabile-possibile/?fbclid=IwAR27OR02aeqwPiVG60s0gdtDcjFp00VbKevLx\\_qkCoyKiwDVLTYeG6IjROE](https://www.filtri.xyz/2021/02/03/incerto-3-probabile-possibile/?fbclid=IwAR27OR02aeqwPiVG60s0gdtDcjFp00VbKevLx_qkCoyKiwDVLTYeG6IjROE) (from 14:00)

Lecture: *Filosofia e scienza dello spirito critico*

Corso per indagatori di misteri 2021, CICAP (online event), 31 January 2021

program: <https://www.cicap.org/corso/2021>

Short video: *Pianeta nove, ultima chiamata!*

joint project with [TAXI 1729](#), 19 December 2020 (released)

video: <https://www.youtube.com/watch?v=Ry6ZTj7aMsw>

Interview for the European Researchers' Night / Sharper

Polytechnic of Turin, 27 November 2020 (joint initiative with Turin International Book Fair)

video: <https://www.youtube.com/watch?v=joWD8WeyT4w> (from 19:45)

Panel discussion: *Quali confini nel nuovo mondo?*

Visionary Days 2020, Officine Grandi Riparazioni, Turin, 21 November 2020

video: <https://www.youtube.com/watch?v=I36HFPTs84s> (from 2:10:30)

Panel discussion: *Setacci di verità – Può l'intelligenza artificiale aiutarci a combattere le fake news?*

CICAP Fest 2020, 11 October 2020 (online event)

video: <https://www.youtube.com/watch?v=oP07F6Cvelk>

Radio interview: *Razionalità e irrazionalità*

Eulero series, Radio Banda Larga, 29 May 2020

audio: <https://www.mixcloud.com/radiobandalarga/eulero-29th-may-2020/>

Panel discussion: *LOGOS – La sottile linea fra pensiero e parola*

CICAP Live series, 13 May 2020 (online event)

video: [https://www.youtube.com/watch?v=viHDhcTL\\_Ig](https://www.youtube.com/watch?v=viHDhcTL_Ig)

Lecture: *Lo spirito critico nell'epoca della post-verità*

Corso per indagatori di misteri 2020, CICAP, Bologna, 9 May 2020

program: <https://www.cicap.org/corso/2020/>

Short video lecture: *Sulle tracce della scienza antica: Terra e Sole prima e dopo Platone*  
Philosophy Bites series (by Ancient Philosophy group, University of Turin, led by Prof. Francesco Petrucci)  
11 April 2020 (released)  
video: <https://www.youtube.com/watch?v=x5jEdnwHri0>

Interview: *Guerra e pace: il difficile rapporto tra scienza e filosofia*, *Query*, 11 July 2019  
text: <https://www.queryonline.it/2019/04/17/guerra-e-pace-il-difficile-rapporto-tra-scienza-e-filosofia/>

Lecture: *Lo spirito critico nell'epoca della post-verità*  
Corso per indagatori di misteri 2019, CICAP, Roma, 12 January 2019  
(program: <https://www.cicap.org/corso/2019/>)

Closing lecture, *Folle di scienza 2018* (Science Communication Festival). Strambino, 7 October 2018  
program: <http://www.follediscienza.it/2018/10/01/folle-di-scienza-il-programma-2018/>

Interview: *Le trappole che mandano in tilt i medici* (with F. Elia), *La Stampa (TuttoSalute)*, 12 June 2018

Public lecture: *Vietato sbagliare? L'errore nella scienza e nella medicina* (with F. Aprà and F. Elia)  
*Le settimane della scienza 2018*. S. Giovanni Bosco Hospital, Turin, 8 June 2018  
video: [https://www.youtube.com/watch?v=KFNpW\\_5lctk](https://www.youtube.com/watch?v=KFNpW_5lctk)

Podcast: *Dica 33* (with F. Elia), *Numeri – La serie*, by Filtri, Turin, 25 May 2018  
video: <http://www.filtri.xyz/2018/05/25/dica-33-numeri-8-con-vincenzo-crupi-e-fabrizio-elia/>

Lecture: *Gestire la complessità* (with F. Aprà and F. Elia), *Folle di scienza 2017* (Science Communication Festival)  
Strambino, 21 October 2017, program: <http://www.follediscienza.it/folle-di-scienza-il-programma/>

Public lecture: *Probabilità, rischio e decisione in medicina. Probabilità, rischio e previsione: Per la costruzione di una cultura dell'incertezza*, Gran Sasso Science Institute, L'Aquila, 3 May 2017  
video: <https://www.youtube.com/watch?v=9KmEQ0Avc00&t=399s>

Public lecture: *Vietato sbagliare? Come si decide in medicina d'urgenza* (with F. Aprà and F. Elia)  
Biennale Democrazia 2017, Accademia delle Scienze, 2 April 2017  
video: <https://www.youtube.com/watch?v=JzXnMBpdaeo>

Public lecture: *Non conviene, ma lo faccio: Matematica, incertezza e trappole nel gioco d'azzardo*  
(with P. Canova and D. Rizzuto). *Settimane del Cervello 2015*, Turin, Circolo dei Lettori, 21 March 2015

Interview with Vincenzo Crupi, *The Reasoner*, 7 (10), 2013: 115-117 (<http://www.thereasoner.org/>)

Public lecture series (organizer): *Guarda come pensi*  
Officine Scienza, Circolo dei Lettori, Turin, May-June 2013

Interview: *Gli errori cognitivi in medicina*, *Medical Humanities*, 5 (17), 2011: 101-105

## **TEACHING**

**Advanced** (including research, healthcare, social work, and insurance professionals)

*La parola e la cura* (organized by S. Quadrino and Istituto CHANGE), Turin, January-June 2019. Teaching staff.

*La logica clinica in medicina tropicale*. Sacro Cuore / Don G. Calabria Hospital, Negrar (Verona), 15-19 October 2018. Teaching staff.

*La comunicazione tra radiologo e clinico attraverso il referto di diagnostica per immagini*. S. Giovanni Bosco Hospital, Turin, 11 October 2018. Teaching staff.

*La comunicazione tra radiologo e clinico attraverso il referto di diagnostica per immagini.* S. Giovanni Bosco Hospital, Turin, 25 May 2018. Teaching staff.

*Pensiero matematicamente creativo.* Reale Mutua Insurance, Torino, 23-24 May 2018. Teaching staff (in collaboration with [TAXI 1729](#)).

*Soluzioni semplicemente geniali.* Reale Mutua Insurance, Torino, 29-30 January 2018. Teaching staff (in collaboration with [TAXI 1729](#)).

*La comunicazione tra radiologo e clinico attraverso il referto di diagnostica per immagini.* S. Giovanni Bosco Hospital, Turin, 13 December 2017. Teaching staff.

*Il gioco d'azzardo dal punto di vista matematico, cognitivo e percettivo.* Local Healthcare Agency, Siracusa, 11-12 December 2017. Teaching staff (in collaboration with [TAXI 1729](#)).

*Risk management.* S. Giovanni Bosco Hospital, Turin, 6 October 2017. Teaching staff.

*Risk management.* S. Giovanni Bosco Hospital, Turin, 15 June 2017. Teaching staff.

*Il ragionamento clinico: incertezza, decisione, trappole cognitive.* Regional Healthcare Agency of Tuscany, Firenze, 28-29 November 2016. Teaching staff.

*Clinical risk management: Perché si sbaglia?* Healthcare and Research Agency Città della Salute e della Scienza, Turin, 3 October 2016. Teaching staff.

Lecture: *Rational decisions? Principles, pitfalls, and prospects.* Alta Scuola Politecnica (Milan/Turin) Summer School, Sestriere, 21 July 2016.

*Il ragionamento clinico: Incertezza, decisione, trappole cognitive.* Regional Healthcare Agency of Tuscany, Firenze, 14-15 March 2016. Teaching staff.

*Il ragionamento clinico: incertezza, decisione, trappole cognitive.* Regional Healthcare Agency Toscana, Firenze, 30 September 2015. Teaching staff.

*Il gioco d'azzardo dal punto di vista matematico, cognitivo e percettivo.* Piccola Comunità ONLUS, Conegliano (TV), 21-22 November 2014. Teaching staff (in collaboration with [TAXI 1729](#)).

Lecture: *Come ragioniamo: regole e trabocchetti. Ragionamento clinico in emergenza-urgenza,* Local Healthcare Agency, Firenze, October / November 2014.

*Il gioco d'azzardo dal punto di vista matematico, cognitivo e percettivo.* Forum Prävention, Bolzano, 23-24 September 2013. Teaching staff (in collaboration with [TAXI 1729](#)).

*Decisione, rischio ed errore in medicina.* Smith Kline Foundation and Italian Association of Head Physicians, Cagliari / Olbia, 17-19 June 2008. Teaching staff.

Lecture: *Errore cognitivo ed errore diagnostico. Gestione del rischio clinico applicato all'ambito ematologico,* School for Executives in Healthcare, Milano, May 2007.

*Decisione, rischio ed errore in medicina.* Smith Kline Foundation and University of Florence Medical School, Firenze, 30 June – 1 July 2006. Teaching staff.

## **Postgraduate**

### *Theories of rationality*

2018 to 2023 MA program in Philosophy, University of Turin

### *Formal epistemology and philosophy of science*

2015 to 2017 MA program in Philosophy, University of Turin

### *Epistemology*

2005 to 2007 School of Specialization in Advanced Education (SSIS), University of Trento

*Philosophy and history of science*

2002/2003 MSc program in Scientific Communication, University of Turin

**Undergraduate**

*Philosophy of science*

2011 to 2023 BA program in Philosophy, University of Turin

2008/2009 BA program in Philosophy, University of Turin

2005 to 2007 BA program in Cognitive and Applied Psychology, University of Trento

*Theories of rationality and decision making*

2015 to 2023 BA program in Economics and Statistics for Organizations, University of Turin

*Scientific revolutions and economic science*

2015/2016 BA program in Economics and Statistics for Organizations, University of Turin

*Decision making, risk, and error in medicine*

2009/2010 Medical School, University of Florence