

Matteo Merzagora

TRACES

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PUBLICATIONS

Books

1. L. Massarani, P. Rodari, MM (Eds.), *Diálogos & Ciência. Mediação em museus e centros de ciência*, Museu da Vida/Casa de Oswaldo Cruz/Fiocruz, 2007.
2. MM, Paola Rodari, *La scienza in mostra: musei, science centre e comunicazione*, Bruno Mondadori, 2007.
3. MM, *Scienza da vedere. L'immaginario scientifico sul piccolo e sul grande schermo*, Sironi Editore, 2006
4. MM, E. Tola, M. Mazzone, *Science in radio broadcasting. The role of the radio in science communication*, Polimetrica, 2005
5. S. Coyaud, MM, *Parigi*, CLUP Guide, De Agostini, 2005
6. A. Curcu, MM, M. Dapor, M. Reale, *Energia 2001*, Museo Tridentino di Scienze Naturali, 2001.
7. S. Coyaud, MM, *Guida ai musei della scienza e della tecnica in Europa*, CLUP Guide, UTET, Torino 2000
8. MM, F. Pedrocchi, *Dove vanno le macchine?*, Editrice Le Vespe, Milano 2000

Publications on science communication and science in society

(Note: articles written as journalist are not reported for reason of space).

1. MM, Reflecting imaginaries: are science and society mirroring each other on the movie screens? In: Anneke Smelik (Ed.), *The scientific imaginary in visual culture*, V&R Unipress, in press.
2. MM, Science and cinema, in: *Encyclopedia of Science and Technology Communication*, Sage, in press.
3. Merzagora, M. Monfeillard, H. La communication scientifique implicite : quelle image de la science au cinéma ? Actes des JIES 2009, in press.
4. Luisa Massarani, Paola Rodari, MM, Trained to interact: echoes from the Workshop Sul Americano de Mediação em Museus e Centros de Ciência, *Jcom*, 7(4), Dicembre 2008
5. MM, P. Rodari, Evolving dialogue, *ECSITE newsletter*, Spring 2008.
6. Paola Rodari, MM, Mediadores em museus e centros de ciência: Status, papéis e capacitação. Uma visão geral europeia. In: L. Massarani, P. Rodari, M. Merzagora (Eds), *Diálogos & Ciência Mediação em museus e centros de ciência*, Museu da Vida/Casa de Oswaldo Cruz/Fiocruz, 2007.

7. MM, Paola Rodari, The Lisbon post-its: how “science in society” issues were reflected in the last ECSITE meetings, *Jcom*, 6 (2), June 2007.
8. MM, Paola Rodari, The role of science centres and museums in the dialogue between science and society, *Jcom*, 6 (2), June 2007.
9. MM, Paola Rodari, Federica Sgorbissa, La formazione degli animatori scientifici. In: N. Pitrelli and G. Sturloni (Eds), *Governare la scienza nella società del rischio*, Proceeding of the IV National Congress of Science Communication, Polimetrica, 2006.
10. MM, Marzia Mazzonetto, Elisabetta Tola, SCIRAB: Science in Radio Broadcasting, Proceeding of the PCST 2006, Seoul, 17-19 may 2006.
11. Paola Rodari, MM, Francesca Conti, Federica Manzoli, Beautiful guides - the role of professional explainers and young scientists in science and society dialogue, Proceeding of the PCST 2006, Seoul, 17-19 may 2006.
12. MM, E. Tola, M. Mazzonetto, I heard it on the radio. In: M. Claessens et al (Eds), *Communicating European Research conference 2005*, Springer, 2006.
13. MM, A. Millington, Science in drama: Science as a part of the story. In J. T. J. M. Willems & W. Goepfert (Eds.), *Television and science communication*. Amsterdam: VU Press, 2006.
14. M. Scandola, MM, La fiction televisiva come specchio dei rapporti fra scienza e società, In: N. Pitrelli and G. Sturloni, *La stella nova. Atti del III Convegno Annuale sulla Comunicazione della Scienza*, Polimetrica, 2005.
15. MM, A. Millington, Science and society in European TV drama, Proceedings of PCST 2004, www.pcst2004.org/ing/pdf/Parallel_Session_15.pdf
16. MM, R. Bassoli, F. Conti , Impusi – il TG dei Musei: science news enter science museums and science centres. In: *International Cultural Heritage Informatics Meeting: Proceedings from ichim04, 2004* (www.ichim.org).
17. MM, Science on air: the role of radio in science communication, *Jcom*, 3 (4), December 2004 (jcom.sissa.it/comment/com030401.pdf)
18. MM, Fra la caffetteria del laboratorio e il salotto di casa, In: N. Pitrelli e G. Sturloni (a cura di), *La comunicazione della scienza, Atti del I e II convegno nazionale*, SISSA/Zadigroma, 2004, p. 285-288.
19. MM, La fiction televisiva come strumento per affrontare la controversia scientifica, *Jcom* 2 (2), June 2003 (jcom.sissa.it/comment/com020201_or.pdf)
20. MM, The drama channel of science communication, *Catalogue of the XX Rencontres Internationales de l'Audiovisuel scientifique Image & science*, CNRS, 2003.
21. MM, Scienza, memoria, modernità. In: *Il Mondo Nuovo*, Electa-Bocconi, 2002, p. 60-71.
22. MM, S. Coyaud, Conversation between scientists and the public in radio phone ins: an experimental approach to analyse public perception of science, *Jcom* 1 (1), March 2002 (jcom.sissa.it/article/art010102.pdf)
23. MM, S. Coyaud, A. Ottolenghi, Radio conversation between scientists and the public as a mean for understanding public perception of radiation risk, Proceeding of the 1st International Radiation Education Symposium, Hayama (Japan), 1999.

Reports

1. DOTIK – European training for young scientists and museum explainers, Mid term report, March 2006 and Final report Mai 2007 (www.dotik.eu).
2. SCIRAB - Science in Radio Broadcasting, SCIRAB final report, February 2005, (www.scienceonair.org).
3. ASSEND - Associating Science and Society in European New Drama: Mid Term report; Final report; ASSEND research report, December 2003 (www.europaws.org).

Selected publication in physics in peer reviewed journals

1. F. Ballarini, M. Biaggi, MM, A. Ottolenghi, M. Dingfelder, W. Friedland, P. Jacob, H. G. Paretzke (2000) Stochastic aspects and uncertainties in the prechemical and chemical stages of electron tracks in liquid water: a quantitative analysis based on Monte Carlo simulations, *Radiation Environmental Biophysics*, 39, 179-188.
2. F. Ballarini, MM, F. Monforti, M. Durante, G. Gialanella, G.F. Grossi, M. Pugliese, A. Ottolenghi (1999), *Chromosome aberrations induced by light ions: Monte carlo simulations based on a mechanistic model*. *International Journal of Radiation Biology* 75, 35-46.
3. A. Ottolenghi, F. Ballarini, MM, From tracks to chromosome and cellular damage. *Radiation Research Invited lecture*. The 11th International Congress of Radiation Research, Dublin, Ireland, July 18-23, 1999, Vol. 2: Congress lectures.
4. W. Friedland, Peter Jacob, Herwig G. Paretzke, Matteo Merzagora, Andrea Ottolenghi (1999) Simulation of DNA fragment distributions after irradiation with photons. *Radiation Environmental Biophysics*, 38, 39-47.
5. A. Ottolenghi, F. Ballarini, MM (1999) Modelling radiation-induced biological lesions: from initial energy depositions to chromosome aberrations, *Radiation Environmental Biophysics*, 38, 39-47, 1999. 38, 1-13.
6. H.G. Paretzke, F. Ballarini, M. Brugmans, M. Dingfelder, A. Edwards, W. Friedland, D. Goodhead, W. Heidenreich, M. Hill, P. Jacob, H.P. Leenhouts, M. Little, MM, F. Monforti, H. Nikjoo, P. O'Neill, A. Ottolenghi, C. von Sonntag, J. Stepanek, M. Terrissol (1998), Biophysical models for the induction of cancer by radiation. In: *Radiation fields, dosimetry, biokinetics and biophysical models for cancer induction by ionising radiation*, J Ertel ed., GSF-Bericht, p 84-129.
7. A. Ottolenghi, F. Monforti and MM (1997) A Monte Carlo calculation of cell inactivation by light ions, *International Journal of Radiation Biology*, 27, 505-513.
8. A. Ottolenghi, MM, H. G. Paretzke (1997) DNA complex lesions induced by protons and alfa-particles: track structure characteristics determining linear energy transfer and particle type dependence, *Radiation Environmental Biophysics*, 36, 97-103.
9. A. Ottolenghi, MM, Tallone L., Durante M., Paretzke H.G., Wilson W.E. (1995) The quality of DNA double-strand breaks: a Monte Carlo simulation of the end-structure of strand breaks produced by protons and α particles, *Radiation and Environmental Biophysics*, *Radiation Environmental Biophysics*, 34, 239-244.
10. A. Ottolenghi, MM, L. Tallone, M. Durante (1994) Monte Carlo simulations of DNA lesions induced by protons and α -particles, *Physica Medica*, vol X, 89.

Communications at national and international congresses and public lectures on science communication:

1. PILOTS training course, Paris, 21 January 2010. Presentation: *Museums, science and society*.
2. Colloque Pari d'avenir, 21-24 June, festival Paris Montagne, Ecole normale supérieure, Paris. Convenor of sessions on "science and the arts" and "science education"
3. ECSITE annual conference 2009, Milan, Presentation: *Evaluation: an overview*
4. ECSITE annual conference 2009, Milan, Convenor: *Science communicators and scientists: a common need?*
5. Ecole Normale Supérieure de Lyon, 27 April 2009. Seminar: *La science rêvé du cinéma, le cinéma rêvé des sciences*.
6. Festival della creatività, Firenze, 25 Octobre 2008. Presentation: *La scienza dove non la pensi*.
7. Ciclo "Sapere e narrare" (Società Italiana per lo studio dei Rapporti tra Scienza e Letteratura), Firenze, 24 Octobre 2008. Presentation: *Immaginari a confronto: la scienza sognata dal cinema, il cinema sognato dalla scienza*.
8. PCST 2008, Malmo, 23-27 June 2008. Presentation: *Stereotypes of stereotypes: reviewing the image of science and scientists on the movie screen*.
9. ECSITE annual conference 2008, Budapest, 27 – 31 May 2008. Presentation: *Science and society programmes: why are they important?*
10. ECSITE annual conference 2008, Budapest, 27 – 31 May 2008. Presentation: *Science communication as a profession: training needs and future directions*
11. ECSITE annual conference 2008, Budapest, 27 – 31 May 2008. Discussant: *What is the science centre of 2020?*
12. ECSITE annual conference 2008, Budapest, 27 – 31 May 2008. Session organiser and convenor: *Enhancing relationships between explainers and museum's management and other staff*.
13. Round Table, XXVe colloque interdisciplinaire du Centre d'Alembert: les nouveaux enjeux de l'expertise scientifique. Maison de la chimie, Paris, 14 et 15 mai 2008. Speaker and discussant: *Le citoyen expert*.
14. FEST – Fiera internazionale dell'editoria scientifica, Trieste, Italy, 17- 20 April 2008. Public lecture: *La scienza al cinema*.
15. Conférence des Présidents d'Université, CPU, Bruxelles, 4 Avril 2008. Round Table: *Les universités dans la société de la connaissance*.
16. Round table, École Normale Supérieure de Paris, Paris, 11 December 2007: *Les frontières de la science ou Peut-on entrer en Science sans visa ?*
17. Public lecture, Festival della Scienza, Genova, 3 November 2007, *La scienza dei Simpson* (with Marco Malaspina).
18. Public lecture, Festival della Scienza, Genova, 3 November 2007, *Scienza e cinema* (with

Antonella Testa).

19. Natural History Museums and Institutions in the 21st Century: Impact on our Common Future, Museum National d'Histoire Naturelle, 18-19 Octobre 2007 (discussant and moderator of the 4 round tables)
20. Public lecture, Perugia Science Fest, 7 Septembre 2007, *La scienza al cinema* (with Marco Malaspina).
21. EUPRIO 2007 Conference, Grenoble, 8-10 June 2007. Invited talk, plenary session: *Engagement 2.0: how to engage young people in the post academic era of science, in a de-institutionalised landscape, in the web 2.0 You era.*
22. ECSITE annual conference 2007, Lisbon, 31 May – 2 June 2007. Session organiser and introduction: *Human interfaces in science centres: an implementation tool for the dialogue model?*
23. ECSITE annual conference 2007, Lisbon, 31 May – 2 June 2007. Presentation: *DOTIK: a masterclass for explainers on participation and governance.*
24. Round table, Ecole Normale Supérieure, Paris, 16 mars 2007, *Science et fiction télévisée – une initiative européenne d'aide à l'écriture*
25. ECSITE Directors Forum, Naples, 24-25 November 2006. Invited introductory lecture: *Interactive humans as an implementation tool for the dialogue model.*
26. Festival School for Students as Science & Society Explainers of Excellence, Genoa, 18th October - 7th November 2006 (Presentation: *Dotik: the first European school for explainers in science museums and science centres*)
27. The Dotik school for young scientist and museum explainers, Trieste, Italy, 28 August – 2 September 2006 (Organiser and introductory presentation: *The role of explainers in the science-society dialogue*).
28. ESOF - Euroscience Open Forum 2006, Munich (DE), 15-19 July 2006 (Presentation: *The role of museum explainers in the dialogue between science and society: the DOTIK project*)
29. ECSITE annual conference 2006, Mechelen (BE), 8-10 June 2006 (Session Convenor, *How to attract and address specific target groups?*)
30. Lecture: *Museus e centros de ciencia, o papel dos mediadores no diálogo entre ciência e sociedade*, Museo da Vida, Fundação Osvaldo Cruz, Fiocruz, Rio de Janeiro (Brasil), 19 June 2006.
31. Conference “Ciência no rádio, ciência & rádio”, Ministero da Ciencia e Tecnologia, Brasilia (Brasil), 20-21 June 2006. (Presentation: *A ciência no rádio - experiência européia*)
32. III Congresso Nazionale sulla Comunicazione della Scienza, Forlì, 1-3 Dicembre 2006 (Presentation: *La formazione degli animatori scientifici: il progetto DOTIK*).
33. ECSITE annual conference 2005, Vantaa – Helsinki (Presentation: *The role of explainer in the science and society dialogue*. Session convenor: *Outreach activities*)
34. CNAM, La physique dans la société contemporaine – the dissemination of scientific culture, Paris 24-26 May 2005 (chairman).
35. Meeting the real needs of scientists and science communication in Europe: which options for a European Science Press Centre (organised by Press and information office, DG

Research), Brussels, 22 November 2004 (invited discussant).

36. Journées d'étude OCIM. Tourisme scientifique : tourisme culturel et découverte des sciences et des techniques, Dijon, 17-18 November 2004 (Presentation: *Les centres des sciences dans les guides touristiques. Un exemple: Paris*).
37. ECSITE annual conference 2004, Barcelona, 4-6 November 2004 (3 presentations: a) *From "general public" to "visitor": the tourist perception of science museums*; b) *SISSA, Master in Science Communication: 13 years of experience*; c) *Impulsi: science news enter science museums*).
38. II Congresso nazionale sulla comunicazione della scienza, Forlì, 6-8 November 2004 (Chairman of the session: *La radio osservatorio delle relazioni fra pubblico e scienza*)
39. ESCENTIAL, Science Communication in European Science Centres & Science Museums, Genova 24-24 October 2004 (Scientific committee and Chairmen)
40. World Congress of Science Journalists, Montreal, 4-8 October 2004 (Title of presentation: *Science on air: the role of the radio in science communication*).
41. Science on Air: The Role of the Radio in Science Communication, Trieste, 1-2 October 2004 (Organiser, chairman and introductory speech)
42. ICHIM 2004, Berlin, 30 August – 2 September 2004 (presentation: *Science news enter science museums*)
43. PCST 2004, Barcelona, 3-6 June 2004 (Presentation: *Science and society in European TV drama*)
44. III Congresso nazionale sulla comunicazione della scienza, Forlì, 2-4 December 2004 (Chairman of the session: *Musei e società: dalla parte degli operatori*)
45. Are Scientist Heard on the Radio? London, November 27th, 2004 (Organiser, chairman and introductory speech)
46. Challenges and opportunities in radio science journalism in Eastern Europe, Bucharest, July 4, 2004 (Organiser, chairman and introductory speech).
47. Science & Society in European TV drama, Paris, 5 October 2003 (Organiser and chairman)
48. EuroPAWS award ceremony and round-table 2003, London, 8 December 2003 (Presentation: *ASSEND action research: a science communication perspective. Conclusions*)
49. ECSITE annual conference 2003, Munich, 27-29 November 2003 (Presentation: *Science museums in a Master in science communication*)
50. EuroPAWS award ceremony and round-table 2002, London, 25 November 2002 (Title: *ASSEND action research: a science communication perspective*)
51. ECSITE annual conference 2001, Napoli, November 2001 (Presentation: *A tourist guide to science and technology centres*)
52. WCSJ, World Congress of Science Journalists, Budapest, 2-4 July 1999 (Title: *Conversation between scientists and the public in radio phone ins*).