

Jorge Wagensberg

“curriculum vitae”

Date of Birth: Barcelona, 2 December 1948

Education

Graduation in Physics: Faculty of Physics of the University of Barcelona (UB) 1971

Thesis: in Self Organization in Non Equilibrium Systems, University of Barcelona 1976, Doctoral Extraordinary Award 1976-1979 (UB).

Languages: Spanish, Catalan, English, French, German, Italian and Portuguese.

Positions held

Assistant Professor, 1971-1976, Department of Condensed Matter (UB).

Aggregate Professor, 1976-1981, Department of Condensed Matter (UB)

Titular Professor, Department of Fundamental Physics (UB) since 1981.

Director of the Museum of Science of the “la Caixa” Foundation in Barcelona, 1981-2004.

President ECSITE (European Collaborative for Science & Technology) 1993-1995.

Director of CosmoCaixa, the new Museum of Science, 1991-2005.

Director of the Science and Environmental Department of the “la Caixa” Foundation (includes all the science centres and scientific exhibits and activities of the Foundation) since 2005 (54 Million euros per year), 2005-2009

Scientific Director of the “la Caixa” Foundation since 2009

Founder and director of the series in scientific thought “Metatemas” in Tusquets Editores since 1983 (with 102 books published until 2007).

Research Publications

Since 1974, about 100 international research papers and communications in different scientific disciplines (Physics, Theoretical Biology, Entomology, Philosophy of Science, Taphonomy, Palaeontology, Education and Museology) in relevant scientific journals (*Proceedings of the National Academy of Sciences, Journal of Non Equilibrium Thermodynamics, Physica A, Journal of Physics, Termochimica Acta, Journal of Theoretical Biology, Bulletin of Mathematical Biology, Lecture Notes in Physics, Oecologia, Microbios, Investigación Pesquera, Computer Applied Biosciences, Journal of Physical Chemistry of Solids, Biology and Philosophy, Microbios Letters, Entomological Scandinavica, Beitrage in Entomology, Journal of Thermal Analysis, Revista de Física, Journal of Chemical Physics, ECSITE Newsletters, Public Understanding of Science,...*)

Publications in popularization of science, scientific thought and scientific opinion

Since 1980, about 800 articles in “La Vanguardia”, “El País”, Investigación y Ciencia (Scientific American), “La Recherche”, “Revista de Física”, “Revista Española de Física”, and monthly contributions “Métode” and “El Periodico”

Conferences, courses and lectures

Since 1973 about 1200 contributions in scientific research, popularization of science and scientific museology (in Spanish, Catalan, French and English). This is a selection of courses:

- Mathematical Theory of Information* (UB) (1989-1991)
- Rational Mechanics for mathematicians* (UB) (1978-1984)
- General Physics for Architects* (UPC) (1973-1977)
- Non Equilibrium Thermodynamics* (UB) (1979-1991)
- Selforganization far from Equilibrium* (Phd) (UB) (1991-2006)
- Towards a Total Scientific Museology*, an International Course of Modern Scientific Museology since 1995, (110 pupils of 15 countries in the 2012 edition).

Books published

- Nosotros y la Ciencia*, Bosch eds, 1980
- Ideas sobre la complejidad del mundo*, Tusquets eds, 1985 (six editions)
- L'âme de la méduse, idées sur la complexité du monde*, Éditions du Seuil, 1997
- Proceso al azar*, Tusquets eds, 1987 (three editions)
- Sobre la Imaginación científica*, Tusquets eds, 1989 (two editions)
- Sobre el progreso*, Tusquets eds, 1994
- Amazonia, ilusiones ilustradas*, Ambit, editorial, 1996 (two editions)
- Introduccio a la teoria de la probabilitat i la informacio*, Proa ed., 1997 (with J. Masoliver)
- Cartes creuadas*, Editorial Mediterranea, 1999. (with David Jou)
- Ideas para la imaginación impura*, Tusquets eds, 1998 (three editions)
- Seres y Estrellas*, Plaza & Janés, 2000 (con J. Llompарт, E. Salvador y E. Carbonell)
- Si la naturaleza es la respuesta ¿cuál era la pregunta?* Tusquets eds, 2002 (four editions)
- La rebelión de las formas*, Tusquets eds, 2004 (two editions)
- A más cómo, menos por qué*, (two editions), Tusquets eds, 2006.
- El Museo Total por conversación entre arquitectos y museólogos*, Actar, 2006 (in press)
- The Total Museum through conversation between architects and museologists*, Actar, november 2006 (in press) published in two editions (Spanish and English).
- El gozo intelectual*, Tusquets eds, 2007
- Form and Function*, Cambridge University Press, 2007
- Yo, lo Superfluo y el Error*, Tusquets eds, 2009
- *Las raíces triviales de lo fundamental*, Tusquets eds. 2010

- *Más árboles que ramas*, Tusquets eds. 2112

Scientific Exhibits (selection)

Conception, design and production of about 40 scientific exhibits: *Inventing matter materia* (1990), *Virtual Olympics* (1992), *Amazonia, the last Paradise* (1993), *600 million years of Evolution* (1991), *Hurricane*, 1997, *Trapped in Amber* (1998), *AIDS* (1999), *De mono a hombre* (2004) *On Form and Function* (2000), *Restos y rastros de nuestros ancestros* (2002), *Iguanos* (2004), *Julio Verne, viajar, viajar, viajar* (2005), *Einstein, 100 years of Physics* (2005), *Viva la diferencia (on Biodiversity)*, *Números de buena familia* (2007) (on numbers), *Music and Physics* (2007), *Ecodiseny* (2007), *Tierra-Marte, anatomía comparada* (2007), *Cinco artistas ante el Tricerátops* (2007), *Amazonia de sol a sol* (2007), *Biodiversidad, viva la diferencia* (2008), *Tecnología comparada* (2008)

Museology (selection)

CosmoCaixa Barcelona Conception, design and production of the new museum of science of la Fundación “la Caixa” in Barcelona, opened in September of 2004 (a project of 120 million euros).

CosmoCaixa Madrid, conception and design of the museum of science of la Fundación “la Caixa” in Madrid opened in Januar 2000 (a project of 45 million euros).

Museo de la Ciencia de la Fundación “la Caixa”, conception, design and production of permanent and temporal exhibits (1991-2004), conception since 1985.

Museo Arquimedeion (Museo de Arquímedes), Siracusa, Italy, 2011

Museu del Medi Ambient i el Clima, Lleida, Spain, 2010

Museo del Tiempo, Montevideo, Uruguay, 2012

Museu del Bosc, Sant Celoni, Spain, 2012

Consultant in several museographic projects in España, Brasil, Italia, Argentina, Chile, China, Colombia, República Dominicana, Túnez, Francia, e Israel.

Awards (selection)

PHD Extraordinary Award for the period 1976-1979 in the University of Barcelona.

Juan Mari Arzak Award 2003 of gastronomical journalism for the article “Aproximación a una copa el vino tinto” published in “El País” 11,09,2003.

National Award for Scientific Thought and Culture 2005 of the Generalitat de Catalunya.

Manel Xifra Boada Award 2006 for the Technological Knowledge Communication of the Politechnical University of Girona

The 2006 European Museum of the Year Award for CosmoCaixa

Creu de Sant Jordi 2007 (the maximum award of the Generalitat de Catalunya)

Honoris Causa 2010, University of Lleida