

## PERSONAL INFORMATION

## Antonio Giorgilli



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📅 Date of birth October 20, 1949 | 🇮🇹 Nationality Italian

## PROFESSIONAL EXPERIENCE

since 1 November 2000

## Full professor

- Università di Milano Bicocca (1 Nov. 2000 - 30 Sep. 2005)
- Università degli Studi di Milano (since 1 Oct. 2005)

18 Mar. 1983 - 30 Oct. 2000

## Associate Professor

- Università degli Studi di Milano (18 Mar. 1983 - 30 Sep. 1998)
- Università di Milano Bicocca (30 Sep. 1998 - 31 Oct. 2000)

8 Feb. 1978 - 17 Mar. 1983

## Professore Incaricato

- Università della Calabria (8 Feb. 1978 - 26 Apr. 1979)
- Università degli Studi di Milano (27 Apr. 1979 - 17 Mar. 1983)

1 Nov. 1976 - 7 Feb. 1978

## Fellowship of Ministero della Pubblica Istruzione

Chair of Theoretical Physics, Università degli Studi di Milano

4 Apr. 1975 - 30 Set. 1976

## Assistant

Chair of Theoretical Physics, Università degli Studi di Milano

## EDUCATION

1974 Laurea in Fisica

1968 Diploma di Maturità del Liceo Classico

## LANGUAGES

Mother tongue Italian  
Other languages – French (very good)  
– English (good)

## ONOURS

- Invited speaker at *Internationa COngress of Mathematicians ICM-MCMXCVIII*, Berlin, August 1998.
- Since 2005: correspondent of Istituto Lombardo Accademia di Scienze e Lettere, Milano.
- International *Gili Agostinelli* prize, Accademia delle Scienze di Torino, 19 november 2007
- 2 december 2009: the name *Giorgilli* assigned to asteroid 27855.

## DIGITAL SKILLS

Operating systems – RSX11, VAX/VMS (past)  
– Linux (current)

- Programming languages – Assembler PDP/11 and VAX  
– FORTRAN  
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#### TEACHING

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- Titles of courses – Meccanica Razionale (Rational Mechanics)  
– Teoria e Applicazioni delle Macchine Calcolatrici (Theory and applications of computing machines)  
– Meccanica Analitica (Analytical Mechanics)  
– Istituzioni di Fisica Matematica (Foundations of Mathematical Physics)  
– Sistemi Dinamici (Dynamical Systems)  
– Fisica Matematica I (Mathematical Physics I)  
– Metodi e Modelli Matematici (Mathematical methods and modelling)  
– Sistemi Hamiltoniani (Hamiltonian Systems)  
– Meccanica Celeste (Celestial Mechanics)  
– Laboratorio di Programmazione e Calcolo (Lab of programming)

#### SCHOOLS AND MEETING (A SELECTION)

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- Organizzazione – Director of the summer international school *Theory and Applications of Hamiltonian Dynamics*, Cetraro (CS, Italy), 1–10 July 1999.  
– Special session *Hamiltonian systems*, *Fourth International Conference on "Dynamical Systems and Differential Equations*, University of North Carolina, Wilmington, NC, USA, 24–27 maggio 2002, (with A. Delshams.)  
– Special session *Dynamical systems*, *AMS-UMI first joint international meeting*, Pisa, 12–16 June 2002.  
– Conference *Perspectives in Mathematical Physics*, Roma, 4–7 September 2002.  
– Workshop *Nonlinear dynamics of acoustic modes in finite lattices: localization, equipartition, transport*, Max-Planck-Institut fuer Physik komplexer Systeme, Dresden (Germany) il 6 – 8 dicembre 2006, with S. Flach.  
– Symposium *Theory and Applications of Dynamical Systems. A meeting in honor of Claude Froeschlé*, Spoleto, 24 – 28 June 2007, with A. Celletti and G. Valsecchi.  
– Meeting *Dalla Luna a Marte all'infinito*, Istituto Lombardo Accademia di Scienze e Lettere, 14–15 October 2009, with G. Sacchi Landriani, G. Pareschi, B. Bertotti, D. Galletto and A. Manara.  
– Meeting *LG70: Dinamica classica e fondamenti della fisica*, Padova, 16–17 October 2009, with G. Benettin e A. Ponno.  
– International Congress *CELMEC V – The Fifth International Meeting on Celestial Mechanics*, S. Martino al Cimino (VT), 6–12 September 2009, with con A. Celletti, E. Perozzi and G. Valsecchi.  
– Symposium *La geometria degli atomi e delle molecole. La Meccanica negli studi di Carlo Cercignani*, Istituto Lombardo Accademia di Scienze e Lettere, Milano, 22 novembre 2012, with L. Corradi Dell'Acqua, F. Magri and C. Pagani.  
– International Congress *CELMEC VI – The Sixth International Meeting on Celestial Mechanics*, S. Martino al Cimino (VT), 1–7 September 2013, with A. Celletti, G. Gronchi and E. Perozzi.

- Invited talks
- Meeting: *Advances in Nonlinear dynamics and stochastic processes*, Firenze, 7–8 January 1985.
  - NATO Advanced Study Institute: *Nonlinear Evolution and chaotic phenomena*, Noto, Italia, 8–19 June 1987.
  - Conferenza: *Fractals in nature and in mathematics*, Istituto Italiano dell'Enciclopedia, Roma, May 1988.
  - Conferenza: *Nonlinear Dynamics*, Bologna, Italy, 30 May–3 June 1988.
  - Workshop: *Integrable systems and applications*, Oléron, France, 20–24 June 1988.
  - Workshop: *Nonlinear problems in future particle accelerators*, Capri, Italy, 19–25 April 1990.
  - NATO Advanced Study Institute: *Predictability, stability and chaos in N–body dynamical systems*, Cortina d'Ampezzo, Italy, 6–17 August 1990.
  - Conferenza: *Hamiltonian dynamical systems: history, theory and applications*, Cincinnati, USA, March 1992.
  - NATO Advanced Study Institute: *From Newton to chaos: modern techniques for understanding and coping with chaos in N–body dynamical systems*, Cortina d'Ampezzo, Italy, 25 July–6 August 1993.
  - Workshop: *Chaos and diffusion in Hamiltonian systems*, Chamonix, France, 7–12 February 1994.
  - Workshop: *Variational and local methods in the study of hamiltonian systems*, Trieste, Italy, 24–28 October 1994.
  - NATO Advanced Study Institute: *Hamiltonian systems with three or more degrees of freedom*, S'Agarò, Spain, 19–30 June 1995.
  - Conference: *Nonlinear dynamical systems and chaos*, Gröningen, Olanda, December 1995.
  - International Congress of Mathematicians ICM–98, Berlino, 18–27 September 1998.
  - Workshop: *Differential equations dedicated to the memory of Vladimir Lazutkin*, St.Petersburg, 18–20 August, 2002.
  - AIMS Conferenza: *Dynamical systems and differential equations*, Wilmington, NC, USA, 24–27 May 2002.
  - NATO Advanced Study Institute: *Chaotic worlds*, Cortina d'Ampezzo, 8–20 September 2003.
  - International Conference: *FPU 50 years since FPU*, 7–8 May 2004.
  - International Conference: *Dynamical Systems with three or more degrees of freedom*, S'Agarò (Spain), 29 May – 3 June 2006.
  - Meeting *ODE ART: Ordinary Differential Equations, their Applications and Related Topics*, Levico (TN) 4 – 6 September 2006.
  - International Conference GREFI-MEFI, Marseille, 2008.
  - International Conference: *The chaotic dynamics of small bodies and planets*, Bad Hofgastein (Austria) March 30 - April 4, 2008.
  - International Conference: *Dynamics of Celestial Bodies*, Lithoro, Greece, June 23 - 26, 2008.
  - International Conference: *Periodic approximations in dynamics*, Pisa, January 25 - February 5, 2010.
  - International Conference: *Advanced Workshop on Anderson Localization, Nonlinearity and Turbulence: A Cross-Fertilization*, ICTP, Trieste, Italy, 23 August - 3 September 2010.
  - Workshop: *Ruggiero Boscovich: astronomer, man of science and letters, 300 years after his birth*, Istituto Lombardo Accademia di Scienze e Lettere, Milano, 2012.
  - Conference: *La fine del mondo: profezie, superstizioni, teorie scientifiche*, Istituto Lombardo Accademia di Scienze e Lettere, Milano, 17 May 2012.
  - Italian Mathematical Union, XX Congress, Siena, 7–12 September 2015.
  - Symposium *Computational Hamiltonian Perturbation Theory: Applications in Physics and Astronomy* Athens, 11–13 July 2016.
  - Symposium *Meccanica Teorica e Applicata*, Istituto Lombardo Accademia di Scienze e Lettere, Milano, 13 October 2016.
  - Workshop *A tre secoli dalla nascita di Jean-Baptiste Le Rond D'Alembert*, Istituto Lombardo Accademia di Scienze e Lettere, Milano, 8 November 2018.

- Lectures
- École d'astrophysique: *Modern methods in celestial mechanics*, Goutelas , France, 24–29 april 1989.
  - Research trimester: *Dynamical systems*, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, february–april 2002.
  - Scuola internazionale: *Advanced School on Specific Algebraic Manipulators*, Universitat de Barcelona, 12-15 september 2007.
  - International Conference: *Chaos and Ergodicity of Realistic Hamiltonian Systems*, Montreal, december 11-14, 2007.
  - Giornate di Studio: *Mechanics, mathematical physics and foundations of mathematics in the 18th and 19th Centuries*, Centro di Ricerca Matematica Ennio De Giorgi, Pisa july 7–12, 2008.
  - International School: *Classical and Weak KAM Theorem*, Montegrotto february 14-19, 2010.
  - International School: *XXXIX Summer School on Mathematical Physics*, Ravello, September 15–27, 2014.
  - International School *Satellite Dynamics and Space Missions: Theory and Applications of Celestial Mechanics*, S. Martino al Cimino, 28 august - 2 september 2017.

#### PUBBLICAZIONI

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PDF list <http://www.mat.unimi.it/users/antonio/ricerca/pubblicazioni.pdf>