

**Federico Bonetto**

School of Mathematics

Georgia Institute of Technology, Atlanta, GA 30332-0430

**EDUCATION:**

Ph.D. in Mathematics, Università “La Sapienza” di Roma, 1996 (thesis advisor: G. Gallavotti)

B.S. in Mathematics, Università di Pisa, 1991

**PROFESSIONAL EXPERIENCE:**

2002–present Assistant Professor, Georgia Tech

2001-2002 Member of the Institute for Advanced Study, Princeton

**GRADUATE STUDENT:**

P. Falco, Università “La Sapienza” di Roma

**CURRENT RESEARCH SUPPORT:**

School of Mathematics, GeorgiaTech

**OTHER COLLABORATORS:**

G. Gallavotti, V. Mastropietro, G. Gentile, J.L. Lebowitz, A. Kupiainen, D. Daëms, E.G.D. Cohen, C. Pugh.

**SELECTED PUBLICATIONS:**

1. F. Bonetto, D. Daems, J.L. Lebowitz, *Properties of the Stationary States in the Thermostatted Lorentz Gas I: the One Particle System*, Journ. Stat. Phys. **101**, 17-34 (2000)
2. F. Bonetto, J.L. Lebowitz, L. Rey-Bellet *Fourier’s Law: a Challenge for Theorists*, Mathematical Physics 2000, Edited by A. Fokas, A. Grigoryan, T. Kibble and B. Zegarlinsky, Imperial College Press, 128-151 (2000)
3. F. Bonetto, G. Gentile, V. Mastropietro, *Electric fields on a surface of constant negative curvature*, Ergodic Theory and Dynamical Systems **20**, 681-686 (2000)
4. F. Bonetto, G. Gallavotti, G. Gentile, V. Mastropietro, *Lindstedt series, ultraviolet divergences and Moser theorem*, Annali della Scuola Normale Superiore, **26**, 545–593 (1998)
5. F. Bonetto, G. Gallavotti, *Reversibility, coarse graining and chaoticity principle*, Comm. Math. Phys. **189**, 263–273 (1997)
6. F. Bonetto, E.G.D. Cohen, C. Pugh, *On the Validity of the Conjugate Pairing Rule for Lyapunov Exponents*, Jour. Stat. Phys **92**, 587–627 (1998)
7. F. Bonetto, G. Gallavotti, P. Garrido, *Chaotic hypothesis: an experimental test*, Physica D **105**, 226–252 (1997)
8. F. Bonetto, V. Mastropietro, *Critical indices for the Youkawa<sub>2</sub> model*, Nucl. Phys. B **497**, 541–554 (1997)
9. F. Bonetto, V. Mastropietro, *Filled Band Fermi Systems*, MPEJ **2**, 1–36 (1995)
10. F. Bonetto, G. Gentile, *On a conjecture for the critical behavior of KAM tori*, Mathematical Physics Electronic Journal (MPEJ) **5**, 1–16 (1999)