

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

Name **Lucio BAGGIO**
Address **PUREJIO 2-201, 1-30-7 Nishihara, Kashiwa City, Chiba 277-0885 (Japan)**
Email **lbaggio@icrr.u-tokyo.ac.jp**
Nationality **Italian**
Date of birth **31.01.1973**

WORK EXPERIENCE

- Dates (from) 01.2005
- Name and address of employer The University of Tokyo
Institute for Cosmic Ray Research, 5-1-5 Kashiwa-no-ha, Kashiwa City, Chiba 277-8582 (Japan)
- Type of business or sector Physics research
- Occupation or position held Visiting Professor (foreign research fellow)
- Main activities and responsibilities Gravitational waves search: data analysis for the coincidence observation between resonant antennae and laser interferometers

WORK EXPERIENCE

- Dates (from–to) 02.2001–12.2004
- Name and address of employer Trento University (Italy)
14, via Sommarive, 38050 Povo, TN (Italy)
- Type of business or sector Physics research, Teaching
- Occupation or position held Post-doc
- Main activities and responsibilities Data analysis, Computer programming, Gravitational wave detector diagnostic, Worldwide data exchange within international collaboration, Maintenance of computer services, Statistics course assistant instructor

EDUCATION AND TRAINING

- Dates (from–to) 10.1990–07.1997
- Name and type of organization providing education and training Università degli Studi di Padova (Italy)
- Principal subjects/occupational skills covered Physics student
- Title of qualification awarded Laurea (BSc) in Physics (1997)
- Dates (from–to) 10.1997–02.2001
- Name and type of organization providing education and training Università degli Studi di Padova (Italy)

- Principal subjects/occupational skills covered
- Title of qualification awarded

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

TECHNICAL SKILLS AND COMPETENCES

ARTISTIC SKILLS AND COMPETENCES

DRIVING LICENCE(S)

ADDITIONAL INFORMATION

Physics research

PhD in Physics (2001)

Italian

English

Excellent

Excellent

Excellent

C/C++ programming, Web server administration, HTML and Perl scripting

Digital photography

Category B (Italy)

AFFILIATION

The University of Tokyo – Institute for Cosmic Ray Research
5-1-5 Kashiwa-no-ha, Kashiwa City, Chiba, 277-8582 (Japan)

REFERENCES

Prof. Massimo Cerdonio
c/o Università degli Studi di Padova - Dipartimento di Fisica
8, via Marzolo, 35100 Padova (Italy)
email:cerdonio@pd.infn.it

Prof. Giovanni A. Prodi
c/o Università degli Studi di Trento - Dipartimento di Fisica
14, via Sommarive, 38050 Povo, Trento (Italy)
email:prodi@science.unitn.it

PUBLICATIONS

L. Baggio et al.
3-mode detection for widening the bandwidth of resonant gravitational wave detectors.
2005.
Submitted to Phys.Rev.D

L. Baggio and G.A. Prodi.
Setting confidence intervals in coincidence search analysis.
In R. Mount L. Lyons and R. Reitmeyer, editors, *Stanford 2003, Statistical problems in particle physics, astrophysics and cosmology*, pages 238–241. SLAC, 2004.
SLAC-R-703 eConf C030908

J.-P. Zendri et al.

Status report of the gravitational wave detector auriga.

In Dumarchez and J.Trân Thanh Vân, editors, *Gravitational waves and experimental gravity (proc. of the XXXVIII Rencontres de Moriond)*, pages 37–42. The Gioi Publishers, Vietnam, 2003

P. Astone et al.

Methods and results of the igec search for burst gravitational waves in the years 1997-2000.

Phys. Rev. D, 68:022001, 2003

P. Astone et al.

Search for gravitational wave bursts by the network of resonant detectors.

Class.Quant.Grav., 19(7):1367–1375, 2002.

Proc. of the "4th Edoardo Amaldi Conference on Gravitational Waves", July 8-13, 2001, Perth, Western Australia

L. Baggio et al.

Igec toolbox for coincidence search.

Class.Quant.Grav., 19(7):1541–1546, 2002.

Proc. of the "4th Edoardo Amaldi Conference on Gravitational Waves", July 8-13, 2001, Perth, Western Australia

M. De Rosa et al.

First room temperature operation of the auriga optical readout.

Class.Quant.Grav., 19(7):1919–1924, 2002.

Proc. of the "4th Edoardo Amaldi Conference on Gravitational Waves", July 8-13, 2001, Perth, Western Australia. This paper was chosen for IoP Select

A. Ortolan et al.

Parametric adaptive filtering and data validation in bar gw detectors.

Class.Quant.Grav., 19(7):1457–1464, 2002.

Proc. of the "4th Edoardo Amaldi Conference on Gravitational Waves", July 8-13, 2001, Perth, Western Australia

J.-P. Zendri et al.

Status report and near future prospects for the gravitational wave detector auriga.

Class.Quant.Grav., 19(7):1925–1933, 2002.

Proc. of the "4th Edoardo Amaldi Conference on Gravitational Waves", July 8-13, 2001, Perth, Western Australia

P. Tricarico et al.

Correlation between gamma-ray bursts and gravitational waves.

Phys. Rev. D, 63:082002, 2001

Z.A. Allen et al.

First search for gravitational wave bursts with a network of detectors.

Phys. Rev. Lett., 85:5046–505, 2000.

This paper was chosen for Physics News Update 514, November 29, 2000

A. Ortolan et al.

Algorithms for the detection of g.w. bursts.

In Robert Jantzen Vahe Gurzadyan and Remo Ruffini, editors, *9th Marcel Grossman Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories*, pages 1906–1907. World Scientific, Singapore, 2001

M. Cerdonio et al.

Bar detectors.

In J.Trân Thanh Vân et al., editor, *Gravitational waves and experimental gravity (proc. of the XXXIV Rencontres de Moriond)*, pages 33–38. World publishers, Hanoi, 2000

- L. Baggio et al.
 χ^2 testing of optimal filters for gravitational wave signals: an experimental implementation.
Phys. Rev. D, 61:102001–9, 2000
- L. Baggio et al.
 On-line consistency tests with bars.
Int. J. Mod. Phys. D, 9(3):251–255, 2000.
 Proc. of the "4h Gravitational Wave Data Analysis Workshop (GWDAW-99)", Dec. 2-4, 1999, Roma, Italy
- G.A. Prodi et al.
 Initial operation of the international gravitational event collaboration.
Int. J. Mod. Phys. D, 9(3):237–245, 2000.
 Proc. of the "4h Gravitational Wave Data Analysis Workshop (GWDAW-99)", Dec. 2-4, 1999, Roma, Italy
- L. Baggio et al..
 Bar detectors: present and future.
 In S. Kawamura and N. Mio, editors, *Gravitational wave detection II (Proc. of the 2nd Workshop on Gravitational Wave Detection, Tokyo, Japan, 19-22 Oct 1999)*, pages 35–40. Universal Academy Press, Tokyo, 2000
- L. Baggio et al.
 Noise and signal reconstruction and characterization in the auriga detector.
 In S.Meshkov, editor, *Gravitational waves (Third Edoardo Amaldi Conference)*, pages 423–424. AIP Conference Proceedings, New York, 2000
- A. Ortolan et al.
 The logging and data retrieve system for the gw detector auriga.
 In S.Meshkov, editor, *Gravitational waves (Third Edoardo Amaldi Conference)*, pages 471–472. AIP Conference Proceedings, New York, 2000
- G.A. Prodi et al.
 Validation of data in operating resonant detectors.
 In S.Meshkov, editor, *Gravitational waves (Third Edoardo Amaldi Conference)*, pages 345–354. AIP Conference Proceedings, New York, 2000
- J-P. Zendri et al.
 Status report of the gravitational wave detector auriga.
 In S.Meshkov, editor, *Gravitational waves (Third Edoardo Amaldi Conference)*, pages 421–422. AIP Conference Proceedings, New York, 2000
- L. Baggio et al.
 Resonant detectors for gravitational waves.
Adv. Space Res., 25:1171–1176, 2000.
 Proc. of the "32nd COSPAR Scientific Assembly", July 12-19, 1998, Nagoya, Japan
- L. Baggio et al.
 The gravitational wave burst observatory: present state and future perspectives.
Nucl. Phys. B (Proc. Suppl.), 70:537–544, 1999.
 Proc. of the "5th International Workshop on Topics in Astroparticle and Underground Physics (TAUP 97)", Gran Sasso, Italy, 7-11 Sep 1997
- M. Cerdonio et al.
 Cryogenic resonant detectors of gravitational waves: current operation and prospects.
 In N. Dadhich and J. Narlikar, editors, *Gravitation and relativity: at the turn of the millennium (GR-15 conference)*, pages 211–230. IUCAA, Pune, 1998
- G.A. Prodi et al.
 Initial operation of the gravitational wave detector auriga.
 In G. Pizzella E. Coccia, G. Veneziano, editor, *Second Edoardo Amaldi conference on gravitational wave experiments*, pages 148–158. World Scientific, Singapore, 1998