PERSONAL INFORMATION

Patrizia Borin

Via 10 marzo 1945 n 35, 32100 Belluno (Bl), Italy

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Sex Female | Date and Place of birth 10/05/1978, Biella | Nationality Italian

WORK EXPERIENCE

13/05/2017 - Present

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux of large impactor and their effects on the atmosphere of Mercury and Mars.

Business or sector Post-doctoral fellowship title: “Analisi del flusso di micrometeoriti e grandi impattori sulla superficie di Mercurio e Marte”

13/05/2016 – 12/05/2017

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux of large impactor and their effects on the atmosphere of Mercury and Mars.

Business or sector Post-doctoral fellowship title: “Analisi del flusso di micrometeoriti e grandi impattori sulla superficie di Mercurio e Marte”

13/05/2015 – 12/05/2016

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux on Mercury and Venus.

Business or sector Post-doctoral fellowship title: “Analisi numerica con iSALE di superfici planetarie”

13/05/2014 – 12/05/2015

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux on Mercury and their effects on the exosphere of the planet.

Business or sector Post-doctoral fellowship title: “Analisi numerica con iSALE di superfici planetarie”

01/12/2013-30/11/2014

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux on Mercury and their effects on the exosphere of the planet.

Business or sector Post-doctoral fellowship title: “Analisi numerica con iSALE di superfici planetarie”

01/12/2012 – 30/11/2013

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux on Mercury and their effects on the exosphere of the planet. Statistical analysis of micromteoritic flux on Earth and impact crater study with iSALE simulations.

Business or sector Post-doctoral fellowship title: “Analisi numerica con iSALE di superfici planetarie”

01/12/2011-30/11/2012

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal and cometary flux on Mercury and their effects on the exosphere of the planet. Statistical analysis of micromteoritic flux on Earth and impact crater study with iSALE simulations.

Business or sector Post-doctoral fellowship title: “ Analisi numerica con iSALE di superfici planetarie”

01/09/2011-30/11/2011

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal flux, exosphere and impact effects on Mercury.

Business or sector Post-doctoral fellowship title: “Analisi del flusso di micrometeoriti sulla superficie di Mercurio ed effetti dovuti ai relativi impatti”

01/09/2010-31/08/2011

INAF-OAPd Post-Doctoral Fellowship

Astronomical Observatory of Padova, Italy

Statistical analysis of asteroidal flux, exosphere and impact effects on Mercury.

Business or sector Post-doctoral fellowship title: “Analisi del flusso di micrometeoriti sulla superficie di Mercurio ed effetti dovuti ai relativi impatti”

01/04/2010-30/06/2010

CISAS Fellowship

Center for Studies and Activities for Space “G. Colombo”, University of Padova, Italy

Analysis of neutral atoms release on exosphere of Mercury due to micrometeorites.

Business or sector Fellowship title: “Micrometeoriti e produzione di atomi neutri per l’esosfera di Mercurio”

01/01/2010-01/02/2010

CISAS Fellowship

Center for Studies and Activities for Space “G. Colombo”, University of Padova, Italy

Study and elaboration data from THEMIS observations.

Business or sector Fellowship title: “Analisi degli spettri THEMIS dell’esosfera di Mercurio”

01/01/2009 – 31/12/2009

CISAS Post-Doctoral Fellowship

Center for Studies and Activities for Space “G. Colombo”, University of Padova, Italy

Study of Mercury exosphere by means THEMIS observations and statistical simulations of micrometeoritic flux.

Business or sector Post-doctoral fellowship title: “Contributo all’esosfera di Mercurio dell’impatto di micrometeoriti”

12/09/2008-23/12/2008

Liceo scientifico “Dal Piaz”

Liceo scientifico “Dal Piaz”, via Boscariz 2 – 32034 Feltre (Bl)

Mathematics and Physics Teacher

EDUCATION AND TRAINING

01/01/2006-31/12/2008

PhD in Astronautics and Satellite Sciences

Center for Studies and Activities for Space "G. Colombo", University of Padova, Italy

Study of planet Mercury and development of a software in order to study the probability of impacts of micrometeorites in planet surface. Study of Fortran 77/90 software.

01/01/2005-31/12/2005

Master on Composites and Nanotechnologies for the Aerospace

School of Aerospace Engineering-Department of Aerospace and Astronautics Engineering, University of Rome "La Sapienza", Italy

Study of composites and material for aerospace applications and laboratory activity with carbon nanotubes.

1997 - 2004

Master Degree in Astronomy

Department of Astronomy, University of Padova, Italy

Mathematics, Physics, Chemistry, Informatics, Astronomy, Celestial Mechanics, Solar System Dynamics.

1992 - 1997

Scientific Certificate, Italian Secondary School Diploma

Liceo Scientifico "A. Avogadro", via Galimberti 5, 13900 Biella, Italy

SCHOOL AND CONGRESS

7-10/09/2010	School-Workshop Neutron Spin Echo – Grenoble, Francia
10-15/10/2005	Scuola Nazionale di Astrofisica VIII ciclo, II corso: "Il Sistema Solare esterno e la missione Cassini – Formazione Stellare", Volterra, Italia
14-16/11/2005	Nanoscience and Nanotechnology 2005 – Frascati (Roma), Italia
10/05/2006	Convegno nazionale "Una rete geodetica satellitare GNSS a servizio del Veneto", Padova, Italia
15-18/05/2007	Corso "Il Fortran per il calcolo scientifico intensivo", CILEA, Segrate (MI), Italia
19-24/08/2007	EPSC, European Planetary Science Congress, Potsdam, Germania
16-22/09/2007	Scuola Nazionale di Astrofisica IX ciclo, II corso: "Fundamental physics using Gamma-ray bursts- The atmospheres of the terrestrial planets", Isola di San Servolo- Venezia, Italia
13-18/04/2008	EGU, Vienna, Austria
05/2008	IDL beginner course
13-20/07/2008	37th COSPAR, Montreal, Canada
3-5/06/2009	Workshop " The surface composition of Mercury from ultraviolet-visible infrared spectroscopy: state of art and future strategies", Parma
6-12/09/2009	V Celmec, San Martino al Cimino, Viterbo
28/09-02/10/2009	IX Convegno nazionale della planetologia italiana, Amalfi, Italy
18-25/07/2010	38th COSPAR, Brema, Germany

17-24/09/2010 EPSC, Rome, Italy

17-21/01/2011 X Convegno nazionale della planetologia italiana, Bormio, Italy

16-20/05/2012 Asteroids, comets, meteors (ACM), Niigata, Japan

28/08-02/09/2017 Satellite Dynamics and Space Missions: Theory and Applications of Celestial Mechanics, San Martino al Cimino, Viterbo, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	First certificate in English				
French	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Computer skills Fortran 90, Matlab, IDL. Excel, Access, Word, LaTex, PowerPoint, Internet Explorer.
Operating systems: Windows, Linux

Organisational/Managerial skills I am able to manage my work independently, but I can also work in a team, since during the research activity conducted at university, we have always collaborated with other people.

Driving licence European Driving Licence A (motorcycles), B (vehicles)