

Dr. Patrick Ribeiro

Physicist (PhD.) | UAV & remote sensing
Co-Founder OpenForests

Personal Data

Name: Patrick Marcel Richard Ribeiro
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E-Mail: patrick.ribeiro@openforests.com
Born: 01.08.1978 in Lisbon, Portugal
Nationality: Portuguese, French

Professional Experience

February 2011 - Present	Co-Founder OpenForests Expert for UAV-based mapping of forestry and conservation landscapes. UAV-based mapping field works carried out in: Germany, Portugal, Suriname, Costa Rica, Panama, El Salvador, Colombia and Honduras.
February 2011 - Present	Service provider 'Aerorama': UAV based aerial photography in the fields of archeology, architecture, real estate, tourism, industry, forestry, etc.
July 2009 – December 2012	Co-Founder & Coordinator of the Umundu-Festival in Dresden Educational festival dedicated to the subject of consumerism and sustainability.
November 2003 - July 2009	Scientific co-worker at the IFW-Dresden
February 2003 - July 2003	Scientific co-worker at the II. Physikalischen Institut der RWTH-Aachen
August 2002 - January 2003	Student job at the Institute for Crystallography of the RWTH-Aachen
February 2002 - July 2002	Student Job at the II. Physikalischen Institut der RWTH-Aachen

Studies

October 2003 – July 2008	PhD. at the Solid State Institute of IFW-Dresden. PhD-Subject: 'One-Dimensional Quantum Magnets in Cuprates: Single Crystal Growth and Magnetic Heat Transport Studies' Final grade: 'magna cum lauda'
September 1996 – Mai 2003	Physic studies at the RWTH-Aachen

School

1988 - 1996	German School in Lisbon, Portugal
1984 - 1988	Primary School Alfragide, Portugal

Voluntary works

December 2009 – January 2010	Co-worker of the NGO „Fundación Escuela para la Sustentabilidad“ in Bogota, Colombia
July 2009 – December 2012	Founder & Coordinator of the Umundu-Festival in Dresden

Languages

Portuguese	mother language
German	mother language
English	comprehension (very good), conversation (very good), writing (very good)
French	comprehension (very good), conversation (good), writing (satisfactory)
Spanish	comprehension (very good), conversation (good), writing (satisfactory)
Italian	comprehension (satisfactory)

Software-Knowledge

Photogrammetry & 3D:	Agisoft PhotoScan, MeshLab
GIS:	Q-GIS
Languages:	Turbo Pascal, Fortran90, C, Matlab
OS:	Windows (XP, 7), Linux/Ubuntu
Office:	Microsoft Office, Open Office, Outlook, Latex-Programs
Graphics:	Photoshop, Lightroom, CorelDraw
Web:	Drupal, use of several systems based on PHP & MySQL (WordPress, etc.), HTML, CSS
Audio:	Cubase (bis VST 4), Soundfoundry, other DJ- and sequencer programs

Hobbies

Photography:	Landscapes, portraits, panorama photography
Music:	Drums, percussion, church organ, PC-based composition