

Dr. Patrick Ribeiro

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

Personal Data

Name: Patrick Marcel Richard Ribeiro
Address: Jordanstraße 23
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E-Mail: patrick.ribeiro@openforests.com
Born: 01.08.1978 in Lisbon, Portugal
Nationality: Portuguese, French

Professional Experience

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|----------------------------|---|
| 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, Ecuador, Colombia, Honduras and Indonesia. |
| 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

Selected Clients & Projects

List of selected client work in (**Contractee**, *Year - Country*, Project description):

SERFOR, APEC <i>2016- Peru</i>	Talk at the APEC event "Strengthening Forest Control Systems and Market Chains in APEC Economies"
Fundación Biodiversa Colombia <i>2016 - Colombia</i>	Drone workshop and staff training
GIZ <i>2015 - Peru</i>	Feasibility study UAV supported monitoring of Conservation Area Cordillera Escalera
FairVentures <i>2015 - Indonesia</i>	UAV mapping of reforestation sites
Sachsenforst <i>2015 - Germany</i>	Mapping experimental forest sites
GIZ <i>2015 – El Salvador/Germany</i>	3D trees modelling using drones
Fundacion Biodiversa Colombia <i>2014 - Colombia</i>	UAV Mapping of conservation areas
Our Piece <i>2014 - Colombia</i>	UAV Mapping of conservation areas, creation of a virtual tour
Thünen Institute for World <i>2013-2014 - Suriname</i>	Forestry, Impact assessment of selective logging
Bauminvest & Visionswald <i>2013 - Costa Rica</i>	UAV mapping, aerial photography, interactive, virtual tours

Voluntary works

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

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, Cloud Compare
GIS: Q-GIS
Languages: Turbo Pascal, Fortran90, C, Matlab
OS: Windows (XP, 7, 10), Linux/Ubuntu
Office: Microsoft Office, Open Office, Outlook, Latex-Programs
Photography / Graphics: Photoshop, Lightroom, CorelDraw
Video: Adobe Premiere
Web: Drupal, use of several systems based on PHP & MySQL (WordPress, etc.), HTML, CSS
Audio: Cubase, Soundfoundry, other DJ- and sequencer programs

Hobbies

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