

Curriculum Vitae

1. PERSONAL DETAILS

Name: ALEXANDRE NOVO LAMOSO

Date of birth: 20/01/1978

Place of Birth: PONTEVEDRA (SPAIN)

Contact address: RÚA DO FORNO N° 38 36900 MARÍN (PONTEVEDRA, SPAIN)

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2. EDUCATION DETAILS

2009 Doctor Europeus with honors. Department of Natural Resources and Environmental Engineering, University of Vigo.

Thesis submission date: June 2009

Topic: 3D GPR Imaging for Archaeological Prospection

2004 Master of Science in Forest Engineering, University of Santiago de Compostela

2001 Bachelor of Science in Forest Engineering, University of Vigo

4. CAREER HISTORY / PROFESSIONAL EXPERIENCE

Environmental Technician, Local Government: Cerdedo City Council. Years: 2003-2004

4.1. UNIVERSITY POSTS

Assistant professor, University: University of Vigo Years: 2006-2007

Associated Professor, University of Vigo Year: 2009

4.2. PUBLICATIONS

Refereed Journals

2008 "Resolution of GPR bowtie antennas: An experimental approach". Journal of Applied Geophysics. doi:10.1016/j.jappgeo.2008.05.003

2009 "Joint use of GPR and ERI to image the subsoil structure in a sandy coastal environment". Journal of Coastal Research. SI 56, 5p.

Books

2007 "Teledetección aplicada para estudios de grado en Ingeniería" ISBN 978-84-690-5849-7. 118 pp.

2007 "Ciencia e innovación tecnológica: el Sistema Gallego de Innovación" ISBN 978-84-609-3760-7. 91 pp.

4.3. PARTICIPATION IN RESEARCH PROJECTS

International

Archaeological project: Syrian Middle Euphrates. *Funding institution:* University of Coruña, Osmane Mounif Aldi, CSIC, Spanish Ministry of Culture, DGAM, Xunta de Galicia, Ferrol city council, University of Vigo and CHAM. *Date:* 26 June to 31 July 2009. *Main researcher:* Juan Luis Montero Fenollós

National

Applicability of GPR so as to locate pipes and buried services in the subsurface. *Funding institution:* Diputación de Ourense - Programa InOu *Date:* 2006 (12 months) *Main researcher:* Henrique Lorenzo

Application of advanced geomatic techniques (close range photogrammetry, 3D laser scanner and GPR) for researching and documentation of archaeological heritage in the city of Pontevedra.

Funding institution: Caixanova - Cátedra Figueria Valverde *Date:* 2006 (12 months) *Main researcher:* Pedro Arias Sánchez

Inverse Engineering with photogrammetry and 3D laser scanner in order to make sports boats.

Funding institution: University of Vigo *Date:* 2005-06 (12 months) *Main researcher:* Pedro Arias Sánchez

Multiantenna prototype adaptation for the massive acquisition of GPR data in roads.

Funding institution: Panatec S.L. *Date:* 2005 (12 months) *Main researcher:* Henrique Lorenzo / Pedro Arias

GPS-GPR connectivity for forest roads and low-capacity roads.

Funding institution: Xunta de Galicia (in collaboration with Proyestegal S.L.) Plan Galego IDIT 2006-2010. *Date:* 2006-09 *Main researcher:* Henrique Lorenzo

GPR, laser and photogrammetry advanced methodologies for evaluation and documentation of historic bridges.

Funding institution: Xunta de Galicia. Plan Galego IDIT 2006-10 *Date:* 2006-09 *Main researcher:* Henrique Lorenzo

5. POSITIONS OF RESPONSIBILITY/ACHIEVEMENTS/INTERESTS

Last four years I used different software packages for 2D/3D GPR data processing and visualization: ReflexW, GPR-Slice and Opendtect. The scope of my research was to obtain 3D GPR high resolution images of the shallow subsurface (mainly for archaeological applications). I improved my skills after visiting other research centres such as: Università degli Studi di Siena (Siena, Italy) in summer 2006 and specially at the Seismic Lab of the Rosenstiel School of Marine and Atmospheric Science (Marine Geology and Geophysics), University of Miami.

I presented several communications during last four years in different geophysical conferences. All my conference proceedings can be visited at: <http://webs.uvigo.es/grupof1/research/research.htm>

I am fluent in English (B2) and Italian (B2). My mother tongues are Spanish and Galician so I can communicate with Portuguese speakers. I have also some knowledge of French (A2) and German (A1).

After completing the PhD thesis (June 2009) I led the geophysical group which participated in the Spanish-Syrian Middle Euphrates Project. Now, although I have a 1-year contract as associated professor at the University of Vigo I am looking for a post-doc position abroad.

Interests: 3D GPR Imaging, Archaeology, Geophysics, Remote Sensing Techniques applied to Cultural Heritage.