

## Aitor Almeida Escondrillas

Doctor Ayudante

Departamento de Tecnologías Informáticas, Electrónicas y de la Comunicación

### Education

---

2006 - 2013	PhD in Computer Science. University of Deusto, Spain.
2004 – 2005	M. Sc.in Computer Science. University of Deusto, Spain.
1998 - 2004	Bachelor Degree (five years) in Computer Engineering. University of Deusto, Spain

### Teaching Experience

---

2021 – Present	<i>"Bases de Datos "</i> , University of Deusto, Spain
2021 – Present	<i>"Programación III"</i> , University of Deusto, Spain
2020 - Present	<i>"Algorithmia"</i> University of Deusto, Spain.
2014 - Present	<i>"Deep Learning and Social Network Analysis"</i> , Computer Science PhD program. University of Deusto, Spain.
2019 - 2020	<i>"Introduction to Computers"</i> University of Deusto, Spain.
2014 - 2016	<i>"Introduction to Web technologies for Law students"</i> , University of Deusto, Spain.
2014 - 2015	<i>"Web Scraping for Data Journalism"</i> , Expert program for Data Analysis, Research and Communication. University of Deusto, Spain.
2004 - 2005	<i>"Mobile Internet"</i> , University of Deusto, Spain.

### Thesis Advisor

---

Eduardo Castillejo:	Defended on March, 2015. Co-directed with Diego L´opez de Ipin˜a. Dynamic User Interface Adaptation Engine Through Semantic Modelling and Reasoning for Mobile Devices.
Aritz Bilbao:	Defended on June, 2020. Analysis of the political discourse on Social Networks using Deep Neural Networks.
Josu Diaz de Arcaya:	In progress. Co-directing with Ana Isabel Torres. Methods for AI model deployments in Edge environmnets.
Jonathan Ruiz de Garibay:	In progress. Co-directing with Javier Garcia Zubia. Preventive maintenance for robotic remote laboratories.
Unai Zulaika:	In progress. Co-directing with Diego L´opez de Ipi˜aa.Information discovery in knowledge graphs.

Ruben Sanchez: In progress. Sybil bot strategies for adversarial information retrieval

## Research

### Project Manager in research projects (10)

---

European projects: BD4QoL(H2020), City4Age(H2020), SONOPA (AAL)  
National projects: FuturAAL(Plan Nacional de I+D+i), THOFU (CENIT), PIRAmIDE (Avanza I+D)  
Regional projects: OsasunLan (Hazitek), SocialCurator(Gaitek), AztarNet (Gaitek), DYNUI (Proyectos de investigación b'asica)

### Participation in research projects (35)

---

European projects: EU-SHAFE(Interreg), NET4AGE-FRIENDLY(COST), GEARING ROLES (H2020), SIMPATICO (H2020), WeLive(H2020), IESCITIES(H2020), CBDP(Celtic)  
National projects: E-Regional Manifestos Project(Plan Nacional de I+D+i), FraseWare(Plan Nacional de I+D+i), TALIS+ENGINE (Plan Nacional de I+D+i), mIO! (CENIT), TALISMAN (MICINN), ASAMI (Avanza I+D)  
Regional projects: Corte Organico (Hazitek), ATERRIZA(Hazitek), ATERRIZAIKUSI(Hazitek), TINDIAG(Hazitek), FLEXBAN(Hazitek), FECIG(Hazitek), ESAVE+(Hazitek), BID3ABI (Hazitek), ADi(Hazitek) SUDMERK(Saiotek), OBESITIC (GAITEK), DEUSTEK3, Future Internet II (ETORTEK), ISMED (Programa Investigaci'ón B'asica y Aplicada), DEUSTEK2, ROAD60 (ETORGAI), ZAINGUNE (INTEK), AMITS(SAIOTEK), Flexeo (Ekinberri), SmartLab (SAIOTEK), CollOnBus (INTEK NETS), EMI2 (SAIOTEK)

More than 100 publications in international journals and conferences, a complete list of publications can be found here: <https://morelab.deusto.es/people/members/aitor-almeida/publications/>

## Professional Experience

- Sept 2021 – Present: University of Deusto. Lecturer and researcher
- Sep. 2006 – Aug 2021: DeustoTech. Researcher and Project Manager.
- Sep. 2004 - Agu. 2006: DeustoTech. Research Assistant.
- Oct. 2003 - Jul. 2004: Abartia. Developer.
- Oct. 2001 - Jul. 2002: Euskal Irrati Telebista. Developer.

## Other merits

### Open Source Contributions

- Networkx: Implementation of community detection algorithms.  
*URL:* <https://github.com/networkx/networkx>
- ProteusGraph Exporter: Library to manage different graph formats.  
*URL:* <https://github.com/aitoralmeida/proteus-graph-exporter>
- Markovduino: Markov chains for Arduino. *URL:* <https://github.com/aitoralmeida/markovduino/>
- Google ZXing: implementation of additional bi-dimensional codes. *URL:* <http://code.google.com/p/zxing/>
- Imhotep: Framework for the creation of adaptive interfaces. *URL:* <http://www.morelab.deusto.es/imhotep/>
- EMI2lets: Multi-agent architecture for Intelligent Environments. *URL:* <http://sourceforge.net/projects/emi2lets/>

### Patents

- (under evaluation) METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR OPTIMIZING THE DEPLOYMENT OF ANALYTICAL PIPELINES.

### Awards

July 2018	Deusto Research Social Impact Label.
September 2016	NVIDIA hardware grant.
February 2015	Special Recognition Award for excellence in research teams, UD-Grupo Santander.
March 2012	Best app in the Urban Navigation category; Premios Vía Inteligente a los servicios orientadas a ciudadanos.
March 2005	Best end-term project, Faculty of Engineering, University of Deusto, Spain.