

MATEO ABOY

mateo.aboy@oit.edu (OIT), ma608@cam.ac.uk (Cambridge)

Profile Summary

- **Teaching:** Professor passionate about education with track record of teaching excellence.
- **Research:** Author of 100+ scholarly publications in engineering, biotech, and patent law.
- **Service:** Experienced designing academic programs and executing major academic initiatives.
- **Innovation:** Inventor of 20+ patented inventions resulting in numerous commercialized products.
- **Grant Funding:** Over \$7.0M in university grant funding and \$2.0M in private industry funding.
- **Patent Law:** Prosecuted 30+ US patent cases to allowance as a USPTO Licensed Patent Agent since 2010
- **Management:** Experienced in strategic development, leadership, negotiation, and entrepreneurship.

Education

Science & Engineering

- PhD, Electrical & Communications Engineering (Information/Data Science), University of Vigo, Spain, EU
- Prof. Cert., Sustainable Energy Conversion and Storage, Stanford University, CA, US
- MPhil, (DEA) Information & Telecommunications Engineering, ETSET, University of Vigo, Spain, EU
- MS, Electrical & Computer Engineering, CECS, Portland State University, OR, US
- Ing, (Engineer) Telecommunications Engineering, MEC, Spain, EU
- BS, Electrical Engineering, CECS, Portland State University, OR, US
- BS, Physics with Minor in Mathematics, Portland State University, OR, US

Law, Patent Prosecution & Intellectual Property

- SJD, Juridical Science Doctorate, Faculty of Law, University of Salamanca, ES, EU (*IP*)
- LLB, Law Degree in English & EU Law (QLD), UCL/ULLS, University of London, UK, EU
- Cert., Negotiation, Harvard Law School, Harvard University, MA, US
- RPA, Registered Patent Agent, United States Trademark & Patent Office, VA, US
- CLP, Certified Licensing Professional, Licensing Executives Society, VA, US

Management & Leadership

- MBA, International Management, RHUL, University of London, UK, EU
- Exec. Cert., Management & Leadership, MIT Sloan, Massachusetts Institute of Technology, MA, US
- Cert., Strategy, Financial Analysis & Technical Management, MIT Sloan, MIT, MA, US

§**Academic Honors & Awards:** BSEE (High Honors), Outstanding Undergraduate Student Award, Outstanding Senior Project Award, National Research Society (Full Member based on “Noteworthy Research Contributions”), National Engineering Honor Society, International Engineering Honor Society, Golden-Key Honor Society; MSECE (Summa Cum Laude), Outstanding Graduate Student Award; MS (DEA) & PhD - Doctorate (Summa Cum Laude), MBA (Honors/Merit), LLB(Honors), Intel Faculty Fellow (Intel Fellowship Award), US Permanent Residency awarded based on Scientific Extraordinary Ability & Outstanding Research Contributions (EB1), University Faculty Achievement Award (highest university-wide distinction awarded to a faculty member for excellence in teaching and service at Oregon Institute of Technology), 2013 Portland Business Journal “40 under 40” Award.

Professional Licenses & Bar Admissions

Chartered/Professional Engineer (ES-COIT No. 12640), Licensed in the EU as a PE.

Bar Admission to Practice in Patent Cases before the USPTO (Prosecution of Patent Cases before USPTO).

Bar Admission to Practice before the Patent Trial & Appeals Board, USPTO.

Faculty Appointments

- 2016-Pres :: Professor (Visiting Academic), Faculty of Law, CIPIL/LML, University of Cambridge, UK
- 2012-Pres :: Full Professor (Tenured), Electrical Engineering & Renewable Energy Department, OIT, US
- 2008-2012 :: Doctoral Professor (Joint Appointment), Biomedical Engineering Div, OHSU, US
- 2008-2012 :: Associate Professor (Tenured), Electrical Engineering & Renewable Energy Department, OIT
- 2007-2011 :: Research Professor (Joint Appointment), Polytechnic University of Valencia, ES, EU
- 2006-2012 :: Doctoral Professor (Joint Appointment), DSP Doctoral Program, ETSIT-U.Vigo, ES, EU
- 2004-2008 :: Assistant Professor (Tenure Track), EET (05-07) & EERE Department (08-), OIT, US

Teaching

- Information Engineering: Linear Systems, Digital Signal Processing, Communication Design
- Data Science: Statistical Data Processing, Computational Data Analysis, Programming for Data Science
- Electronics Engineering: Circuit & Systems, Analog Electronics, ASIC Design
- Programming: Computer Programming for Engineers
- Law: Patent Law for Engineers & Managers, Business Law for Engineers
- Management: Engineering Management, Strategy, Innovation & Entrepreneurship

Research

- 2015/16 Research Topic: "Patentability of Computer-Implemented & Biotech Inventions"
- Engineering Research Areas: Data Science, Biomedical Signal Processing, Medical Devices
- Law Research Areas: Patent Law (Computer & Biotech), IP Law, Licensing & Technology Transfer
- Management Research Areas: Competitive Strategy, Disruptive Innovation, Enterprise Valuation
- Scholarly Articles Published: 75+ (Available in Google Scholar)
- Inventive Activity: 20+ issued patents and patent publications (Available in USPTO)
- Research Statistics: h-Index, 22, i10-index: 40, Citations: >1500, MAR 14 Ranking: 51 out of 48515
- Research Funding: Over \$7.0M in university grant funding and \$2.0M in private industry funding

Academic Leadership & Service

- 2011-2015 :: Vice President for Research, Oregon Institute of Technology, OIT
- 2011-2015 :: Associate Provost (VP for Wilsonville Campus), Oregon Institute of Technology, OIT
- 2014-2016 :: Chair, Commercialization Research Committee, Oregon Innovation Council (OregonInc), OR
- 2012-2016 :: Board of Directors – Technical Advisor, Oregon Innovation Council (OregonInc), OR
- 2013-2016 :: Board of Directors, Northwest Collaboratory for Sustainable Manufacturing, OR
- 2013-2016 :: Board of Directors, Oregon BEST, OR
- 2011-2016 :: University President's Council, Oregon Institute of Technology, OIT
- 2008-2015 :: University Provost's Council, Oregon Institute of Technology, OIT
- 2008-2015 :: University Provost's Academic Council, Oregon Institute of Technology, OIT
- 2008-2012 :: Department Chair, Electrical Engineering & Renewable Energy Department, OIT
- 2005-2008 :: Program Director, Electronics Engineering Technology & EE Post-Bacc., EERE, OIT

Industry Experience

- 2009-2016 :: Principal Patent Agent, Aboy & Associates, PC, US
- 2015-2016 :: Scientific Fellow, APDM, Inc, US
- 2007-2014 :: CFO & Chief IP Officer, APDM, Inc, US
- 2005-2008 :: Management & Technical Consultant, Simplex, Inc, US
- 2003-2007 :: Chief Scientific Advisor, Tiba Medical, Inc, US
- 2004-2007 :: Professional Engineer (Principal Electrical Engineer), Method Engineering, LLC, ES, EU
- 2000-2002 :: Engineering Research Associate, Complex System Lab - OHSU, US
- 1999-2002 :: Lead Systems Administrator, CNS-LCT, PSU, US