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EDUCATION AND RESEARCH

Law, Governance and Technology Department at the University of Twente, Enschede, the Netherlands

- Post-Doctoral Researcher with Prof. Michiel Heldeweg. October 2016 - Present
Project: Exploring RegTech-modes in responsible development & use of robotics

Berkman Center for Internet and Society at Harvard University, Cambridge, MA, US.

- Study Group on Law and Regulation of Emerging Robotics and Automation Technologies, April 2016.

Laboratoire de Systèmes Robotiques, École Polytechnique Fédérale de Lausanne, Switzerland

- Visiting scholar with Prof. Dr. Mohamed Bouri, February 2016.
Project: The Use of Exoskeletons and Orthotic Actuated Devices for Activities of the Daily Living

Center for Education Engineering and Outreach (CEEEO), Tufts University, Medford, MA, US

- Visiting scholar with Prof. Dr. Jordi Albo-Canals, Summer 2015.
Project: Data Analysis and Collection through Robotic Companions and LEGO Engineering - with Children on the Autism Spectrum.

CIRSFID, University of Bologna, Italy

- Erasmus Mundus International Doctorate (Ph.D.) Degree in Law, Science and Technology, Sept. 2013 – 2016.
- Mobility (at least 6 months): Università di Bologna (Italy); Università di Torino (Italy); Mykolo Romerio Universitetas (Vilnius, Lithuania); CELLS Leibniz Universität (Germany); Universitat Autònoma de Barcelona (Spain) and the University of Pittsburgh School of Law (U.S.)

Ph.D. Thesis: Towards a Legal and Ethical Framework for Personal Care Robots. Analysis of Person Carrier, Physical Assistant and Mobile Servant Robots.

Autonomous University of Madrid, Spain

- MA in Security, Governance and IT Law, 2012-2013.
Master Thesis: Check Out the Cloud. Creation of a Spanish Framework in order to Manage the Risks Posed by the Migration to the Cloud

Université Capitole I – Toulouse, France

- Master en Droit, Economie, Gestion. Mention Droit International Européen et Comparé. Spécialité Droit Européen, 2011-2012
Master Thesis: Datum et Progresus. The e-European Constitutional Reality and the Da-Pro Privacy Right

Autonomous University of Barcelona, Spain

- LL.M in European Integration, 2011-2012. Shared thesis with Toulouse, France.
- Bachelor of Laws, 2007-2011
- Collaboration with the Ecclesiastical Law Department with Prof. Dr. Ivan Jimenez-Aybar

Project 1: Dictum on the deeply hold of the Church of Scientology in Spain. 2010-2011.

Project 2: Polygamy in Spanish Territory. Administrations Involved. December 2011.

Project 3: Dictum on the Liability of the Administration in front the Denial of Bloodless Surgery to Members of the Religious Order of Jehovah's Witnesses in Spain. 2012.

PUBLICATIONS

In preparation

1. **Fosch-Villaronga, E.** and Özcan, B. (2017) Exoskeleton Design and Regulation: the Intertwining Evolution between Humans and Robots.
2. **Fosch-Villaronga, E.** and Albo-Canals, J. (2017) Robotic Cognitive Therapeutic Researches and the Law.
3. **Fosch-Villaronga, E.,** Lutz, C. and Tamò, A. (2017) Ethical, Legal and Social Issues of Robots in Therapy and Education Article Series.
 - a. The case of Assistive Robots.
 - b. The case of Educational Robots
 - c. The case of Delivery Robots

The three articles part of the “Article Series” are the result of the [Workshop Series on the Ethical, Legal and Social Issues of Robots in Therapy and Education. Clarifying Legal Issues Involving Social and Non-Social Robots in Therapeutic and Educational Settings.](#)

4. **Fosch-Villaronga, E.,** Lutz, C. and Tamò, A. (2017) Ethical, Legal and Social Issues (ELS) of Healthcare Robots. A Systematic Literature Review.

Journal Paper

1. **Fosch-Villaronga, E.** and Roig, A. (2017) European Regulatory Framework for Person Carrier Robots. Computer Law and Security Review.
2. **Fosch-Villaronga, E.** and Özcan, B. (2017) Progettazione e disciplina dell’esoscheletro: l’inestricabile co-evoluzione tra umani e robot [*Exoskeleton Design and Regulation: the Intertwining Evolution between Humans and Robots*] In: Pirni, A. (2017) Il Postumano Realizzato Orizzonti Di Possibilità E Sfide Per Il Nostro Tempo *Special Issue*. Corrente Nuova Rivista di Letteratura e Filosofia, vol. 159(59) pp. 89-116.
3. **Fosch-Villaronga, E.** (2015) Creation of a Care Robot Impact Assessment. WASET, International Science Journal of Social, Behavioral, Educational, Economic and Management Engineering, 9(6), pp. 1817 - 1821.

Book Chapters

1. **Fosch-Villaronga, E.** and Albo-Canals, J. (2017) Implications of the Google’s US 8,996,429 B1 Patent in Cloud Robotics Based Therapeutic Researches. In Neves, A. (2017) *Service Robots Intech*, ISBN 978-953-51-5319-1, *forthcoming*.

Conference Paper with Proceedings

1. **Fosch-Villaronga, E.,** Lutz, C. and Tamò, A. (2017) The Privacy Implications of Social Robots – Solutions from Two Conference Workshops. Privacy Sensitive Robotics Workshop at HRI 2017, March 06-09, Vienna, Austria.
2. Barco, A. and **Fosch-Villaronga, E.** (2017) Child Robot Interaction Studies: From Lessons Learned to Guidelines. Child-Robot Interaction Workshop at HRI 2017, March 06-09, Vienna, Austria
4. **Fosch-Villaronga, E.** and Heldeweg, M.A. (2017) HRI and the Future of Law. HRI '17 Companion, March 06-09, 2017, Vienna, Austria
5. **Fosch-Villaronga, E.** and Heldeweg, M.A. (2017) Rethinking Regulation for Experimenting with Emerging Robotic Technologies. Staatsrechtconferentie 2016, University of Twente. *Forthcoming*.

6. **Fosch-Villaronga, E.** (2016) What Do Roboticians Need to Know about the Future of Robot Law? In Albo-Canals, J. et al. (2016) Conference Proceedings, NewFriends 2016, The 2nd International Conference on Social Robots in Therapy and Education, 2-4 Nov 2016.
7. **Fosch-Villaronga, E.;** Barco, A.; Özcan, B.; Shukla, J. (2016) An Interdisciplinary Approach towards a Better Cognitive Human-Robot Interaction – A Novel Emotion-Based Model. Robo-Philosophy, Denmark, 17-21 Oct 2016. In: Seibt, J. et al. (Eds.) (2016) *What Robots Can and Should Do*. Series Frontiers in Artificial Intelligence and Applications, vol. 20, pp. 195-205, IOS Press. doi: 10.3233/978-1-61499-708-5-195
8. **Fosch-Villaronga, E.** and Kalipalya-Mruthyunjaya, V. (2016) Robot Enhancement of Cognitive and Ethical Capabilities of Humans. Robo-Philosophy, Denmark, 17-21 Oct 2016. In: Seibt, J. et al. (Eds.) (2016) *What Robots Can and Should Do*. Series Frontiers in Artificial Intelligence and Applications, vol. 20, pp. 223-233, IOS Press. doi:10.3233/978-1-61499-708-5-223
9. **Fosch-Villaronga, E.** (2016) Legal Frame for Non-Social Robots. In: Husty and Hofbauer (Eds.) Medical and Service Robotics: Proceedings of the 5th International MESROB workshop, held in Graz/Austria, 4th - 6th July 2016, Series Mechanisms and Machine Science, Springer.
10. **Fosch-Villaronga, E.** and Virk, G. S. (2016) Legal Issues for Mobile Servant Robots. In: Rodić, A. and Borangiu, T. (2016) Proceedings of the 25th Conference on Robotics Alpe-Adria-Danube Region. Advances in Robot Design and Intelligent Control
11. **Fosch-Villaronga, E.** (2016). ISO 13482:2014 and Its Confusing Categories. Building a Bridge Between Law and Robotics. In Wenger, et al. (Eds.) New Trends in Medical and Service Robots, Vol. 39, Series Mechanisms and Machine Science, Springer, pp. 31-44.
12. **Fosch-Villaronga, E.** (2015). Legal and regulatory challenges for physical assistant robots. In Cunningham, P. and Cunningham, M. (Eds) (2015) IMC International Information Management Corporation, IEEE, pp. 1-8. Doi: 10.1109/eCHALLENGES.2015.7441057
13. **Fosch-Villaronga, E.** and Albo-Canals, J. (2015) Boundaries in Play-based Cloud-companion-mediated Robotic Therapies: From Deception to Privacy Concerns. In Heerink, M. and Jong, M. de (2015) Conference Proceedings, NewFriends 2015, The 1st International Conference on Social Robots in Therapy and Education, 22-23 Oct 2015, pp. 40-41.
14. **Fosch-Villaronga, E.** (2015) Principles Involved in Care Robotics Legal Compliance. In Heerink, M. and Jong, M. de (2015) Conference Proceedings, NewFriends 2015, The 1st International Conference on Social Robots in Therapy and Education, 22-23 Oct 2015, pp. 76-77.

Conference Papers

1. Kieseberg, P., Li, T. and **Fosch Villaronga, E.** (2017) Humans Forget, Machines Remember: Artificial Intelligence and the Right to Be Forgotten. 7th Annual Internet Law Works-in-Progress Conference, Santa Clara University School of Law, 4 March 2017.

Poster

1. Barco, A. and **Fosch-Villaronga, E.** (2017) Child Robot Interaction Studies: From Lessons Learned to Guidelines. Child-Robot Interaction Workshop at HRI 2017, March 06-09, Vienna, Austria
2. **Fosch-Villaronga, E.** and Heldeweg, M.A. (2017) HRI and the Future of Law. HRI '17 Companion, March 06-09, 2017, Vienna, Austria
3. Özcan, B.; Caligiore, D.; **Fosch-Villaronga, E.**; Sperati, V.; Moretta, T. and Baldassarre, G. (2016) Designing Socially Assistive Robot (SAR) for Cognitive Child-Robot Interaction (CCRI) with Autism Spectrum Disorder - The Case of "+Me". Newfriends 2nd International Conference on Social Robots in Therapy and Education, 2-4 Nov 2016.

4. **Fosch-Villaronga, E.** and Ienca, M. (2016) Assessing the Impact of Neurotechnology on the Legal System. International Neuroethics Society Annual Meeting, San Diego, CA, US, 10-11 Nov 2016.
5. **Fosch Villaronga, E.,** and Albo-Canals, J. (2016). Regulatory Framework for a Cloud-Based Architecture that Supports a Lego® Play-Based Robot-Mediated Therapy for Children with ASD. WeRobot 2016, Miami, FL, US, 30 March – 2 April 2016

ORAL COMMUNICATIONS

1. (2017) Healthcare Robots Policy, Foundation for Responsible Robotics, the Netherlands.
2. (2017) Conference TILTING Perspectives 2017: “Regulating a Connected World”. Tilburg, The Netherlands.
3. (2017) European Robotic Forum, Edinburgh, UK.
4. (2016) JSAI-isAI International Symposia on AI, Yokohama, Japan.
5. (2016) New Friends 2016. International Conference on Social Robotics in Education and Therapy, Barcelona
6. (2016) Robo-Philosophy, Aarhus, Denmark.
7. (2016) MESROB’16: 5th International Workshop on Medical and Service Robots, Graz, Austria
8. (2016) RAAD 2016: IFTOMM/IEEE/EuRobotics 25th International Conference on Robotics in Alpe-Adria-Danube Region
9. (2016) WeRobot 2016, Miami, FL, US, 30 March-2 April. Poster Session.
10. (2015) European Commission and IEEE e-Challenges2015. Vilnius, Lithuania. 25-27 November 2015
11. (2015) New Friends 2015: 1st International Conference on Social Robotics in Education and Therapy. Almere, the Netherlands. 22-23 October 2015
12. (2015) MESROB’15: 4th International Workshop on Medical and Service Robots. Nantes, France.
13. (2015) ICSR 2015: 17th International Conference on Social Robotics. New York, NY, US. 4-5 June 2015

HONORS

- EACEA Erasmus Mundus Joint Doctorate Full Scholarship (3 EU scholarships, 6 non-EU).
- Concerning LL.B., Honors in Philosophy of Law, Ecclesiastical Law, Tax Law and History of Modern Legal Culture. Concerning LL.M., Honors in Dimension of the EU External Action, Competition and Regulation.
- Second Award (out of 450 participants) in “Programa Argó”, Universitat Autònoma de Barcelona, 2007, for my High School Dissertation: The Marriage of Convenience within the Frame of the Current Legislation. The Possible Fraud.
- High School with Honors. Government of Catalonia, 2007.
- ORATOR (OCECI) Scholarship, 2007.

INVITATIONS

Guest Lecturer

1. **Fosch-Villaronga, E.** (2017) Robot Law: Liability, Privacy, Dignity & Ethics. e-Law Course. Cyber Security Master Specialization Program. 4TU Federation at the University of Twente, Enschede, the Netherlands.

2. **Fosch-Villaronga, E.** (2016-present) 2-day Robot Ethics Seminar. Guest Lecturer at the Robotics Institute Summer Scholars Program at Carnegie Mellon University, Pittsburgh, PA, US, July 2016 and 2017.
3. **Fosch-Villaronga, E.** (2016- present) Legal Aspects of Robots. Guest Lecturer at the course Health Innovation – An Interdisciplinary Approach at the European Institute of Innovation and Technology (EIT) Health Education at Uppsala University, Stockholm, Sweden, 17 Feb 2016 and 11 April 2017.

Invited Speaker

1. **Fosch-Villaronga, E.** (2017) Ethics and Policy of Robots in Healthcare Workshop, Foundation for Responsible Robotics, Den Haag, 26 June 2017.
2. **Fosch-Villaronga, E.** (2017) Connected Robots for Health: Challenges for Responsible Robot Design. Brocher Fondation, Genève, Switzerland, 15-16 June 2017.
3. **Fosch-Villaronga, E.** (2017) Human-Robot Interaction and the Future of Law. Carnegie Mellon University, Pittsburgh, PA, U.S., 4 April 2017.
4. **Fosch-Villaronga, E.** (2017) Human-Robot Interaction and the Future of Law. CEEO Tufts University, Medford, MA, U.S., 27 March 2017.
5. **Fosch-Villaronga, E.** (2016) Dynamic Personalized Regulatory Framework for Robots. Invited Speaker at the Intelligent Robotics and Communication Laboratories, Advanced Telecommunications Research Institute International (ATR), Kyoto, Japan, 15 Nov 2016.
6. **Fosch-Villaronga, E.** (2016) Robotics Seminar. Legal Aspects of Personal Care Robot. Invited Speaker at the Center on Law and Information Policy (CLIP) Fordham Law School, New York, NY, US, 30 Aug 2016.
7. **Fosch-Villaronga, E.** (2016) Legal and Ethical Challenges for Personal Care Robots. Invited Speaker at the Malle Lab at Brown University, RI, US, 12 April 2016.

Visiting Scholar

1. **Fosch-Villaronga, E.** (2016) Visiting scholar at University of Pittsburgh School of Law, Pittsburgh, PA, US, March-Sept 2016.
2. **Fosch-Villaronga, E.** (2016) Visiting scholar at the Laboratoire de Systèmes Robotiques in École Polytechnique Fédérale de Lausanne, Switzerland. 1-8 February 2016.
3. **Fosch-Villaronga, E.** (2015) Visiting scholar at Center for Education Engineering and Outreach (CEEEO) Tufts University, MA, US, June 2015.

Others

1. **Fosch-Villaronga, E.** (2017) Invited at the Hearing "Artificial Intelligence & Society" at the European Economic and Social Committee (EESC), 1st February 2017.

LANGUAGES

- Catalan / Spanish, native.
- English / French / Italian, full professional proficiency.
- German, limited working proficiency.
- Dutch, elementary proficiency.
- Portuguese / Lithuanian / Chinese very elementary proficiency.

OTHERS

- (2017) Co-organizer Ethics and Policy of Robots in Healthcare Workshop, Foundation for Responsible Robotics, Den Haag.
- (2017) Co-organizer of the ELS Issues for Healthcare Robots at European Robotics Forum, Edinburgh, U.K., 22-24 March 2017.

- (2016-present) Part of the organizing committee of the Foundation for Responsible Robotics – Relationship Coordinator
- (2016) Co-organizer of the twinned workshop on the ELS of Social Robots in Therapy and Education Workshop (legalaspectsofsocialrobots.wordpress.com) between Barcelona, Spain (newfriends2016.org) and Yokohoma, Japan (www.ai-gakkai.or.jp/isai/) in November 2016.
- (2015) Co-organizer of the “Bridging the Gaps between Different Worlds. A Legal and Ethical Approach towards Assistive Robots: Risks and Solutions” (legalrobotics.wordpress.com) Workshop at New Friends2015.org, Almere, The Netherlands
- Reviewer at the IJSR Journal, NewFriends, RAAD, IROS
- (2011-present) Qualified Lawyer in Spain.

PROFESSIONAL EXPERIENCE PRIOR RESEARCH

- (2013) AUREN Barcelona, Spain. Junior Consultant at IT Risks Department – Data Protection Lawyer.
- (2012) SES English School. Cerdanyola, Barcelona, Spain. Teacher
- (2008-2011). THAMES, School of Languages, Cerdanyola, Barcelona, Spain. English Teacher.
- (2011, summer) CORE SOLUTIONS Consulting Firm. Sant Cugat, Barcelona, Spain. Internship in Public Administrative and Urbanism Law.
- (2009, summer) M&M Consulting. Law Firm. Sabadell, Barcelona, Spain. Commercial Law.
- (2008, summer) HILFIGER, Factory Outlet Store. La Roca Village, Barcelona, Spain. Sales Assistant.
- (2007, winter) BURBERRY, Barcelona, Spain. Sales Assistant.
- (2006, summer) CONDIS S.A. Central Supermarket. Montcada i Reixac, Barcelona, Spain. Administrative Assistant.

REFERENCES

Prof. Dr. Jordi Albo-Canals

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 La Salle BCN – Ramon Llull University
 (Barcelona – Spain) Robotics Director at La
 Salle Campus Almere (the Netherlands).
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Prof. Dr. Michiel Heldeweg

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