

PERSONAL INFORMATION

Maximiliano Ernesto Romero



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Sex Male | Date of birth 29/01/1973 | Nationality Argentinian and Italian

POSITION

Associate Professor, DCP: Department of Design, IUAV University of Venice, Italy

- Product Design Studio, Master Course in Product and Communication Design
- Physical Computing for Design.

Contract Professor, Design School, Politecnico di Milano, Italy

- Interdisciplinary course of Design and Robotics 8th Ed., Design and engineering Master course.

Researcher, DCP: Department of Design, IUAV University of Venice, Italy

- Social Robotics and Interactive Products for industry
- Assistive Technologies for disability

Past main positions
2015 – 2017

Scientific coordinator RCAI - Red De Científicos Argentinos en Italia (Network of Argentinian Scientists in Italy) – Not for profit activity coordinated by Argentinian Embassy, Italy.

2016 – 2017

Senior Scientist in Human Computer Interaction, Fraunhofer Portugal Research Center for Assistive Information and Communication Solutions (Fraunhofer AICOS)

2013 - 2016

Operational coordinator and founder of Physical Computing Laboratory, Design Department, Politecnico di Milano

Since 2011

Contract Professor, School of Design, Politecnico di Milano

- Physical Computing for Designers
- Interdisciplinary course of Design and Robotics
- Problem Solving Design Studio, Design and Engineering.

2007 - 2013

Research Fellow, Design Department, Politecnico di Milano

EDUCATION AND TRAINING

(from February 2004 to June 2007)

PhD in Industrial Design and Multimedia communication

Evaluation:
With Merit,

Thesis: **Design & ICT: from Home automation to Intelligent products**,
Supervisor: Prof. Francesco Trabucco, Resp.: Prof. Ezio Manzini,
Politecnico di Milano, Italy

(from October 1999 to December 2000)

Master in Human Factors

Evaluation:
Optimum

Thesis: **Apriti Sesamo! Usability test applied to turnstiles to access control**,
Supervisor: Prof. Bandini Butti, Resp.: Prof. Adriana Baglioni,
Politecnico di Milano, Italy

(from March 1992 to March 1999)

Industrial Designer Master of Science

Evaluation:
10 of 10 cum laude

Thesis: **Portable ergonomic workplace for musicians of symphonic orchestra**.
Supervisor: Prof. Guillermo Schelotto, Resp.: Prof. Guillermo Vivian,
Universidad Nacional de Córdoba, Argentine

(from 2000 to today)

Other minor courses

2014 from 03 August 2014 to 03 August 2014, **RADRL (Safety in laboratory) Supervisor training course**, 03/08/2014, Attendant, Politecnico di Milano, Italy.

2014 from 2014 January 11th to 2014 January 12th, **Robot Interface Design, workshop on Robotics & Design**, Participant, Resp.: Prof. Niccolo Casiddu, University of Genoa, Italy.

2011 June, **Designing responsive products and ambient, Physical computing.**, Participant, Resp.: Massimo Banzi, SUPSI Lugano, Switzerland.

2011 July, **Arduino can cook for you, too!** Participant, Resp.: Lower East Kitchen, New York City Resistor, Brooklyn, NY, USA.

2001 July, **Summer Design Workshop 2001, MDF panels: from product to integrated offer**, Participant, Resp.: Anna Lombardi, Centro Ricerche Fantoni with PoliDesign, Italy.

2000 from February 2000 to 23rd June 2000, **Packaging Design**, Participant, Resp.: Prof. Valeria Bucchetti, Centro di Formazione Permanente Riccardo Bauer, Italy.

2000 from 16th October 2000 to 30 November 2000, **Web Design**, Domus Academy, Italy.

PERSONAL SKILLS

Languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Spanish	C2	C2	C2	C2	C2
Italian	C2	C2	C2	C2	C2
English*	C1	C1	C1	C1	C1

*Las certificate British Council, B1 level (2009).

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user. Common European Framework of Reference for Languages

Managing skills

- In 2016 was leader of Human Computer Interaction group at **Fraunhofer Institute AICOS** coordinating a team of ten people (Computer scientist, Designers and Bioengineers).
- Since 2011 leading **PhyCo Lab**, Physical Computing Laboratory of the Design Department of Politecnico di Milano. PhyCo Lab is a university research laboratory composed by one department's technician and student collaborators.
- Founder and actual directive commission of **RCAI** (Red de Cientificos Argentinos residentes en Italia), a network of Argentinian scientific professionals living in Italy, organized in collaboration with MinCyT (Science and Technology Ministry) and Embassy of Argentine Republic.
- Many course, workshops exhibitions and events have been organized since the beginning of university working life.

Computer skills

- **Operative systems:** Confident with Windows and Mac OS. Basic knowledge of LINUX.
- **Office software:** Confident with Word, Excel, PowerPoint of Microsoft and LibreOffice. Basic knowledge of Project, Access.
- **3D modelling:** Confident with RhinoCeros, Basic knowledge of GrassHopper, FireFly
- **Rendering:** Basic knowledge of 3D studio Max and KeyShot
- **3D printing:** Cura, and Repetier Host
- **Programming:** Confident with Arduino and HTML, basic knowledge of Processing.
- **CSM:** Wordpress
- **Graphic Design:** Adobe Suite (Illustrator, Photoshop, InDesign)

Other skills

- Hand tools ability, making and hacking.
- Machinery tools (Soldering, Milling machine, Metal and wood lathe)
- Digital Fabrication machinery (3D printing, vinyl cutter, CNC milling machine, laser cutter)
- Physical Computing and electronics platform (Arduino, Raspberry, Trinket)

Driving licence

▪ Class A (Motorbikes), Class B (Cars), Italian Boat Licence

ADDITIONAL INFORMATION

Award

1. **BEST Design Final Project 2020** by University IUAV of Venice, As supervisor for the project: **'MORE**, Student: Edoardo DiPietro.
2. **ADI Targa Giovani 2018** by ADI (Italian Design Association), As supervisor for the project: **Rocky**, Student: Ludovica Zengiaro.
3. **ADI Design Index 2016** by ADI (Italian Design Association), As supervisor for the project: **Rocky**, Student: Ludovica Zengiaro.
4. **Awarded Paper IEEE RO-MAN 2016**, *A huggable, mobile robot for developmental disorder interventions in a multi-modal interaction space* As co-author with A. Bonarini, A. Celebi, F. Clasadonte, M. Gelsomini, F. Garzotto,
5. **ADI Targa Giovani 2016** by ADI (Italian Design Association), As supervisor for the project: **Goliath**, Student: Lorenzo Frangi.
6. **ADI Design Index 2015** by ADI (Italian Design Association), As supervisor for the project: **Goliath**, Student: Lorenzo Frangi.
7. **ADI Design Index 2010** by ADI (Italian Design Association), As designer for the product: **Turner** for LAMM S.p.a.
8. **Silver Award 2009** by Best of NeoCon (USA), As designer for the product: **Turner** for LAMM S.p.a.

Autorizzo il trattamento dei dati personali ai sensi del decreto legislativo. 196/03.

I authorize the use of personal data according with law.

Dichiaro che quanto riportato nel presente Curriculum Vitae corrisponde a verità ai sensi del D.P.R. 445/2000.

I certify that the information in this Curriculum Vitae is true.

Prof. Maximiliano Romero Ph.D.

Detailed information are listed in the annexes below:

- [Annex A: Research.](#)
 - Research Fellowship
 - Other research collaboration
 - Publications
 - Books
 - Edited books
 - Book chapters
 - Journals
 - Conference proceedings
 - Posters
 - Patents
- [Annex B: Teaching.](#)
 - Teaching activities
 - [Contract Professor](#)
 - Assistant
 - Student Assistant
 - In Argentina
 - Thesis supervisor
 - Thesis co-supervisor
- [Annex C: Product and Interaction design.](#)

ANNEX A

Research Fellow

- 1) from 2014 July, to 2015 July,
Gestural multichannel interaction to support educative and therapeutics activities for children with autism disorders., Department of Electronics, Information en Bioengineering., Via Ponzio 34/5 - Milano, Education and Research, Scientific Advisor, Prof. Franca Garzotto.
- 2) from 2013 January, to 2014 January,
Healthcare Design: Design of technological systems applied to sailing for motor rehabilitation process monitoring., Department of Design, Politecnico di Milano – Lecco Campus, Lecco, Education and Research, Scientific Advisor, Prof. Giuseppe Andreoni.
- 3) from 2011 January, to 2012 January,
Research and design of a cycling vehicle adaptive for different disabilities., Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Giuseppe Andreoni.
- 4) from 2010 August, to 2011 January,
Contribution of User Centred Design to applied research., Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor: Prof. Giuseppe Andreoni.
- 5) from 2009 September, to 2010 January,
Promotion of design's PhD in national and international context., Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor: Prof. Ezio Manzini.
- 6) 2008 August to 2009 August
IndeXit, Development of an ergonomic index for home appliances evaluation, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion, Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor: Prof. Arturo Dell'acqua and Prof.: Giuseppe Andreoni.

Other research activity

- 7) 2007 July to 2008 July
Easy Fridge, Development of an accessible system for food conservation, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion, Via Durando 38/A, 20158, Milano. Education and Research, Scientific Advisor: Prof. Giuseppe Andreoni.
- 8) from 2014 July, to 2015 July, **Support to the research activity. Scientific and didactic coordination of "Physical Computing Lab" activities according with new methodologies and strategies of fabbing/making for interactive prototypes**. Department of Design, Politecnico di Milano, Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Giuseppe Andreoni, Main activities: User research, concept design, prototype development, usability test.
- 9) from 2011 November, to 2012 January, **Using eye tracking technology to analysis Web applications for banking.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Banca Intesa, Main activities: User research, concept design, prototype development, usability test.
- 10) from 2010 September, to 2011 September, **Research and development of VDT workplace for wheelchair users.**, Department of Design, Politecnico di Milano, Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: INAIL.(Istituto Nazionale di Assicurazione Infortuni sul Lavoro), Main activities: User research, concept design, prototype development, usability test.
- 11) from 2009 September, to 2010 July, **MOHE (MOBILE and HEalth for the future); Future scenario building of mobile communication for health and healthcare**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Mobile Communications Division, Samsung Electronics CO., Ltd., Main activities: User research, concept design, prototype development, usability test.
- 12) from 2009 September, to 2010 April, **Researching the innovation in the natural wood kitchen market.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Grattarola Srl., Main activities: User research, concept design, prototype development, usability test.
- 13) from 2009 September, to 2009 November, **Design for All**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Giuliano Simonelli, In collaboration with: Confartigianato della Lombardia – Regione Lombardia, Main activities: User research, concept design, prototype development, usability test.
- 14) from 2008 November, to 2010 November, **Babylandia**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Regione Lombardia, Metadistretti, Main activities: User research, concept design, prototype development, usability test.
- 15) from 2008 January, to 2009 January, **Sensorwear: wearable system for physiological monitoring**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Giuseppe Andreoni, In collaboration with: Regione Lombardia, Metadistretti, Main activities: User research, concept design, prototype development, usability test.
- 16) from 2008 January, to 2009 January, **Development of guidelines for ergonomics design of workplaces in industry.**, Politecnico di Milano – INDACO

- Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Francesca Tosi, In collaboration with: Prof. Riccardo Tartaglia, Centro Ricerche in Ergonomia di Azienda Sanitaria di Firenze and Welfare ministry., Main activities: User research, concept design, prototype development, usability test.
- 17) from 2008 January, to 2008 January, **Overbank, scenarios and visions of banking system future.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Arturo Dell'Acqua, In collaboration with: Credito Valtellinese, Main activities: User research, concept design, prototype development, usability test.
 - 18) from 2006 January, to 2009 January, **Research and development of a workplace for university students.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Lamm S.p.a., Main activities: User research, concept design, prototype development, usability test.
 - 19) from 2006 February, to 2008 February, **IDEALI: Integrating design and furniture for personal autonomy.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, , In collaboration with: Regione Lombardia, Meta-distretti, Main activities: User research, concept design, prototype development, usability test.
 - 20) from 2006 February, to 2006 August, **Smart Kitchen Aids: Research and development of smart products for kitchen.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Raffaella Mangiarotti, In collaboration with: Bialetti Spa, Main activities: User research, concept design, prototype development, usability test.
 - 21) from 2005 January, to 2006 January, **Computing home environment: Design and evaluation of the integration between human, technology and products. 2nd phase: Design and evaluation**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion. Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Adriana Baglioni, In collaboration with: MIUR - Ministero dell'istruzione, dell'università e della ricerca scientifica, Main activities: User research, concept design, prototype development, usability test.
 - 22) from 2004 January, to 2005 January, **Computing home environment: Design and evaluation of the integration between human, technology and products. 1st phase: Preliminary research**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Adriana Baglioni, In collaboration with: MIUR - Ministero dell'istruzione, dell'università e della ricerca scientifica, Main activities: User research, concept design, prototype development, usability test.
 - 23) from 2004 January, to 2005 January, **Technological innovation in the enology field, research and development of Univac wine's pump.**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Politecnico Innovazione e Finder pompe S.p.a., Main activities: User research, concept design, prototype development, usability test.
 - 24) from 2003 January, to 2004 January, **Research and development of the new tube bending machine CA 519**, Politecnico di Milano – INDACO Department – Industrial Design, Art, Communication and Fashion., Via Durando 38/A, 20158, Milano, Education and Research, Scientific Advisor, Prof. Fiammetta Costa, In collaboration with: Politecnico Innovazione e Crippa, Main activities: User

research, concept design, prototype development, usability test.

Research productivity

- Publications
(Books)
- 1) M. Romero, *Design e nuove tecnologie: Domotica e prodotti intelligenti*. 193 pag., Harlequin, Milano, Italy, 9788890243226, 2008.
 - 2) M. Romero, M. Maiocchi, S. Ferraris, *Esercizi di stile, Esperimenti di trasposizione stilistica nel design della comunicazione*, 221 pag., Libreria Clup, Milano, Italy, 978870909212, 2006.
- Publications
(Edited books)
- 1) M. Romero, M. Bedognetti, *Overbank, appunti e visioni sulla banca del futuro*, 112, pag., Grafiche Aurora, Verona, Italy, 9788886899550, 2008
- Publications
(Book chapters)
- 1) M. Romero, F. Bergamo, *Raccolta vs Rappresentazione*. Curated by Raimonda Riccini, Collana: Architettura, n. 29, Isbn: 9788857549231, Mimesis edizioni srl., Italy 2018. (Printing)
 - 2) M. Romero *Interaction and Forming, How Industrial Design Is Changing*, In Computational Morphologies, Design Rules Between Organic Models and Responsive Architecture, edited by M. Rossi and G. Buratti, Springer International Publishing AG, ISBN 978-3-319-60918-8, ISBN 978-3-319-60919-5 (e-Book), <https://doi.org/10.1007/978-3-319-60919-5> 2018
 - 3) M. Romero, *Physical Computing, strumento progettuale per i designer di oggi*. in Uno (nessuno) centomila. Prototipi in movimento, edited by Rossi M. and Casale A., Pag.123 to 134, Maggioli editori, Santarcangelo di Romagna, Italy, 2014
 - 4) G. Andreoni, F. Costa, C. Frigo, E. Gruppioni, E. Pavan, M. Romero, B. Saldutto, L. Scapini, G. Verni, *Chapter 51: The integration of ethnography and movement analysis in disabled workplace development*, in, Vincent G. Duffy, Advances in Applied Human Modeling and Simulation, Pag., 507 - 516, CRC Press Taylor and Francis Group, USA, 9781439870310, 2013
 - 5) G. Andreoni, F. Costa, M. Mazzola, M. Fusca, M. Romero, E. Carniglia, D. Zambarbieri, G. C. Santambrogio, *Chapter1: A multifactorial approach and method for assessing ergonomic characteristics in biomedical technologies*, in, Advances in Human Aspects of Healthcare, Pag., 3 - 12, CRC press, USA, 9781439870211, 2013
 - 6) S. Muschiato, M. Romero, P. Perego, F. Costa, G. Andreoni, *Chapter 48. Designing Wearable and Environmental Systems for Elderly Monitoring at Home*, in, Advances in Social and Organizational Factors, Pag., 463 - 469, CRC Press, USA, 9781439870198, 2013
 - 7) M. Mazzola, G. Andreoni, G. Campanardi, F. Costa, G. Gibertini, D. Grassi, M. Romero, *An Ergonomic and Aerodynamic Study for a Quantitative Assessment of Paralympics Athlete's Performance*, in, Advances in Physical Ergonomics and Safety, Pag., 1 - 8, CRC Press Taylor and Francis Group, Boca Raton, USA, 9781439870389, 2013
 - 8) M. Mazzola, G. Andreoni, G. Campanardi, F. Costa, G. Gibertini, D. Grassi, M. Romero, *Chapter 60. Effects of seat and handgrips adjustments on a Hand Bike vehicle. An ergonomic and aerodynamic study for a quantitative assessment of Paralympics athlete's performance*, in, Francisco Rebelo, Advances in Usability Evaluation Part I, Pag., 569 - 576, CRC press, USA, 9781439870242, 2012
 - 9) L. Forzoni, N. Guraschi, C. Fertino, M. Delpiano, G. Santambrogio, G. Baselli, F. Costa, M. Romero, G. Andreoni, *Chapter 2: Case Study of integrated ergonomic assessment of a Portable Ultrasound System*, in, Vincent G . Duffy, Advances in Human Aspects of Healthcare, Pag., 13 - 22, CRC Press, USA, 9781439870211, 2012

- 10) H. Nam, F. Costa, M. Romero, G. Andreoni, *Chapter 25: Proactive Design of a Hospital Environment with Multifaceted Ergonomic Considerations*, in, Vincent G. Duffy, *Advances in Human Factors and Ergonomics in Healthcare*, Pag., 201 - 210, CRC Press, Taylor and Francis Group, USA, 9781439834978, 2010
- 11) M. Romero, P. Perego, G. Andreoni, F. Costa, *New strategies for technology products development in HealthCare*, in, Meng Joo Er, *New Trends in Technologies: Control, Management, Computational Intelligence and Network Systems*, Pag., 131 - 142, Sciyo, 9789533072135, 2010
- 12) M. Mazzola, E. Preatoni, N. Emmanuele, M. Romero, F. Costa, G. Andreoni *Chapter 75: DHM for Ergonomic Assessment of Home Appliances*, in, Gavriel Salvendy, *Advances in Human Factors, Ergonomics, and Safety in Manufacturing and Service Industries*, Pag., 725 - 732, CRC Press, USA, 9781439834992, 2010
- 13) G. Andreoni, L. Anselmi, F. Costa, M. Mazzola, E. Preatoni, M. Romero, B. Simionato, *Chapter 9: Human Behaviour Analysis and Modelling: A Mixed Method Approach*, in, Vincent G. Duffy, *Advances in Applied Digital Human Modeling*, Pag., 77 - 83, CRC Press, Taylor and Francis Group, USA, 9781439835111, 2010
- 14) G. Andreoni, M. Mazzola, O. Ciani, M. Zambetti, M. Romero, F. Costa, E. Preatoni, *Method for Movement and Gesture Assessment (MMGA) in Ergonomics*, in, Vincent G. Duffy, *Digital Human Modeling*, Pag., 591 - 598, Springer-Verlag, Berlin Heidelberg, Germany, 9783642028083, 2009
- 15) M. Romero, F. Costa, G. Andreoni, M. Mazzola, J. Vargas, L. Conenna, *Proactive Ergonomics in Refrigerator Concept Development*, in, M. Kurosu *Human Centered Design*, Pag., 627 - 634, Springer-Verlag, Berlin Heidelberg, Germany, 9783642028052, 2009
- 16) M. Romero, M. Gong, *Design meeting social issues, a design process and experiences for obesity*, in, Lupo, E., Campagnaro, C., *International Summer School, Designing connected places*, Editrice Compositori, Bologna, Italy, 9788877946607, 2009
- 17) M. Romero, *Il multiagente bancario, nuove tecnologie per l'accesso a contenuti informativi complessi.*, in, M. Romero, M. Bedognetti, *Overbank, appunti e visioni sulla banca del futuro*, Pag., 49 - 60, Grafiche Aurora, Verona, Italy, 9788886899550, 2008
- 18) M. Romero, *Bank ID, Applicazione delle tecnologie biomediche all'ambiente bancario*, in, M. Romero, M. Bedognetti, *Overbank, appunti e visioni sulla banca del futuro*, Pag., 36 - 48, Grafiche Aurora, Verona, Italy, 9788886899550, 2008
- 19) M. Romero, *Interaction in Ambient Intelligence*, in, Bagnara, S., Tartaglia, R. Tosi, F., *L'ergonomia tra innovazione e progetto, sistemi di lavoro e stili di vita. VIII Congresso nazionale SIE*, Pag., 302 - 305, Moretti & Vitali Editore, Milano, Italy, 978871863151, 2006
- 20) M. Romero, *Costruzioni di scenari per la Domotica*, in, Ferraris, S., Maiocchi, M., *L'invasione degli Infoprodotti, Riflessioni di design per una tecnologia domotica dal volto umano*, Pag., 79 - 102, Aracne, Roma, Italy, 978854803545, 2005
- 21) M. Romero, *Dal concept al prodotto*, in, Canina, M., Vicentini, F., *Il progetto in BioDesign, La ricostruzione di un percorso*, Pag., 89 - 105, Aracne, Roma, Italy, 978854803596, 2005
- 22) M. Romero, *Ergonomia e trasporti, i diversi ambiti d'intervento*, in, Chiddo, E., *Transportation Design Learning*, CETMA, Brindisi, Italy, 2005
- 1) M. Romero. *Il metodo Frateilli, uno strumento senza tempo*. In Enzo Frateilli, *Intellettuale del Futuro*. A cura di L. Casarotto, M. Romero, F. Toso, *luav giornale dell'Università*, ISSN 2038-7814, 2017

Publications
(Journals)

Publications
(Conference proceedings)

- 2) M. Romero, A. Bonarini, A. Brivio, K. Rogacheva, *Incremental and Radical Innovation: Design in Robotics for Autism. Teo and Riby robots. Evolutionary Development*, The Design Journal, 20:sup1, Pag. S2375-S2388, DOI: 10.1080/14606925.2017.1352752, 2017.
 - 3) M. Romero, L. Zengiaro, S. Mazzoni., *B-Bot: Il robot avicolo*, Elettronica IN, Pag., 90 - 95, Italy, 1124-8548, 2014.
 - 4) A. Bonarini, M. Romero, *Robotics and Design: An Interdisciplinary Crash Course*, in IEEE Transactions on Education, Pag., 110 - 115, 0018-9359, 2013.
 - 5) G. Andreoni, P. Arslan, F. Costa, S. Muschiato, M. Romero, *Ergonomics and design for sustainability in healthcare: ambient assisted living and the social-environmental impact of patients lifestyle*, in WORK, Pag., 3883 - 3887, 1875-9270, 2012.
 - 6) G. Andreoni, M. Mazzola, O. Ciani, M. Zambetti, M. Romero, F. Costa, E. Preatoni., *Quantitative body movement and gesture assessment in ergonomics*, in International journal of human factors modelling and simulation, Pag., 390 - 405, 1742-5549, 2010.
 - 7) M. Romero, *Il futuro dell'intrattenimento domestico*, in Casa Futura, Maggioli editore, Italy, 2007
- 1) M. Romero, R. Vangal (2018) *Simplified biosignal processing blocks for prototyping and educational applications*, 12th International Technology, Education and Development Conference, Valencia, SPAIN, 5th-7th March, 2018, INTED2018 Proceedings, pp. 479-487. ISBN: 978-84-697-9480-7, ISSN: 2340-1079, 2018
 - 2) M. Romero, *The New Paradigm of Industrial Design for Disability*, Keynote Lecture, 11th International Joint Conference on Biomedical Engineering Systems and Technologies, Funchal, Madeira - Portugal January 9 - 2, 2018
 - 3) A. Bonarini, F. Clasadonte, F. Garzotto, M. Gelsomini, M. Romero, *Playful interaction with Teo, a Mobile Robot for Children with Neurodevelopmental Disorders*, DSAI 2016, December 01 - 03, 2016, Vila Real, Portugal, ACM. ISBN 978-1-4503-4748-8/16/12, DOI: <http://dx.doi.org/10.1145/3019943.3019976>, 2016
 - 4) A. Bonarini, A. Celebi, F. Clasadonte, M. Gelsomini, F. Garzotto, M. Romero, *A huggable, mobile robot for developmental disorder interventions in a multi-modal interaction space*. IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), August 26 - 31, 2016, New York City, USA, 2016.
(Awarded Paper)
 - 5) M. Romero M. Cuevas Riñao, *The art(ifacts) experience at Polimi. Teaching wearable computing in design schools*, Proceedings of ICERI2016 Conference, 1377-1387, ISBN: 978-84-617-5895-1, 2016
 - 6) M. Romero, *Interaction and forming, how industrial design is changing*. 3rd ECAADE International Regional Workshop, Politecnico di Milano, 14-15 May 2015, Italy, 2015
 - 7) M. Romero, M. Zambelli, A. di Lecce, S. Pontiggia, *Smartphones as user interfaces in public events* in 17th International Conference on Human-Computer Interaction, 02-07 August 2015, Los Angeles, Pag. 1-11, Springer-Verlag, USA, 2015
 - 8) M. Romero, I. Fedrigo, M. Zambelli, M. Soldati, *It-way, wearable computing applied to parkour* in 2° International Fashion and Design Congress (CIMODE 2014) 5-7 November 2014, Milano, Italy, Ed. POLISCRIP 978 88 6493 027 5
 - 9) M. Romero, M. Soldati, G. Vignati., *Wearable computing prototyping experiences at design school courses* in 2° International Fashion and Design Congress (CIMODE 2014), 5-7 November 2014, Milano, Italy, Ed. POLISCRIP 978 88 6493 027 5
 - 10) C. Standoli, M. Romero, G. Vazzoler and G. Andreoni, *An innovative bike for children play and rehabilitation* in Ergonomics and New Services in Healthcare in 5th International Conference on Applied Human Factors and Ergonomics (AHFE 2014) 19-23 July 2014, Kracow, Poland, 2014.
 - 11) M. Romero, G. Andreoni, S. Pardi, A. Ratti, B. Imamogullari and F. Molteni, *Sailing as stroke rehabilitation strategy* in Design Tools and Methods in 5th International

- Conference on Applied Human Factors and Ergonomics (AHFE 2014) 19-23 July 2014 Krakow, Poland, 2014.
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 - 13) G. Andreoni, P. Arslan, F. Costa, S. Muschiato, M Romero, *Ergonomics and design for Sustainability in Healthcare: Ambient Assisted Living and the social-environmental impact of patients lifestyle*. in WORK, 18th World Congress on Ergonomics 2012, 12-16 February 2012, Recife, Brazil, Pag. 1 - 6, IOS Press, 1051-9815, 2012
 - 14) S. Muschiato, M. Romero, P. Perego, F. Costa, G. Andreoni, *Designing Wearable and Environmental Systems for Elderly Monitoring at Home*, in Applied Human Factors and Ergonomics (AHFE 2012), San Francisco, CA, USA, Pag. 1 - 7, 2012
 - 15) G. Andreoni, F. Costa, C. Frigo, E. Gruppioni, E. Pavan, M. Romero, B. Saldutto, L. Scapini, G. Verni, *The integration of ethnography and movement analysis in disabled workplace development*, in Applied Human Factors and Ergonomics (AHFE 2012), San Francisco, CA, USA, Pag. 1 - 9, 2012
 - 16) G. Andreoni, F. Costa, M. Mazzola, M. Fusca, M. Romero, E. Carniglia, D. Zambarbieri, G. C. Santambrogio, *A multifactorial approach and method for assessing ergonomic characteristics in biomedical technologies*, in Applied Human Factors and Ergonomics (AHFE 2012), San Francisco, CA, USA, Pag. 1 - 9, USA, 2012
 - 17) C. E. Standoli, M. Romero, G. Vazzoler, *Learning product design for particular needs: 3ike case study, a bike for children with cerebral palsy*, in EDULEARN12, International Conference Education and New Learning Technologies, 02-07 July 2012, Barcelona, Spain, Pag. 1 - 9, 9788469534915, 2012
 - 18) M. Romero, P. Perego, F. Costa, G. Vignati, D. Veronesi, *Teaching and learning physical computing: a experimental method for industrial design faculty*, in EDULEARN12, International Conference Education and New Learning Technologies, 02-07 July 2013, Barcelona, Spain, Pag. 1 - 1, 2012
 - 19) S. Muschiato, P. Arslan, M. Romero, *Design Children Products with Industries and Users*. In Designing Pleasurable Products and Interfaces conference, Milano, Italy, Pag. 157 - 160, 2011
 - 20) A. Bonarini, F. Costa, M. Garbarino, M. Matteucci, M. Romero, S. Tognetti, *Affective Videogames: The Problem of Wearability and Comfort*, in Human-Computer Interaction. Users And Applications, International Conference on Human-Computer Interaction, Orlando, Florida, Pag. 649 - 658, 9783642216183, 2011
 - 21) G. Andreoni, F. Costa, C. Frigo, S. Muschiato, E. Pavan, L. Scapini, M. Romero, *Disable Workstation Development: A Multicompetence Approach to Human Behaviour Analysis*, in Universal Access in Human-Computer Interaction. Users Diversity, International Conference on Human-Computer Interaction, Orlando, Florida, Pag. 263 - 270, Springer Verlag, Berlin Heidelberg, Germany, 9783642216626, 2011
 - 22) G. Andreoni, F. Costa, M. Mazzola, E. Preatoni, M. Romero, *Design of User-Centered Health Products and Services at Home: the experience of HCD team*, in BioMed@POLIMI: 20 years and beyond, 1st Workshop on the Life Sciences at Politecnico di Milano, 30 November 2010, Milano, Italy, Pag. 425 - 428, Poliscript 2011, Italy, 9788864930084, 2010
 - 23) G. Andreoni, F. Costa, M. Romero, P. Perego, L. Piccini, *Wearable Sensors and BCI for Home Care, communication and automation control*, in BioMed@POLIMI: 20 years and beyond, 1st Workshop on the Life Sciences at Politecnico di Milano,

- 31 November 2010, Milano, Italy, Pag. 418 - 420, Poliscrypt 2011, 9788864930084, 2010
- 24) G. Andreoni, P. Arslan, F. Costa, S. Muschiato, M. Romero, H. Nam, P. Perego, *Next Generation Mobile Healthcare Services through Collaborative Design Development*, in BioMed@POLIMI: 20 years and beyond, 1st Workshop on the Life Sciences at Politecnico di Milano, 32 November 2010, Milano, Italy, Pag. 421 - 424, Poliscrypt 2011, 9788864930084, 2010
- 25) G. Andreoni, F. Costa, M. Mazzola, S. Muschiato, P. Perego, M. Romero *Ergonomics and Design in Healthcare: a Multifactorial User-Centred Approach to Biomedical Assistive Devices*, in BioMed@POLIMI: 20 years and beyond, 1st Workshop on the Life Sciences at Politecnico di Milano, 33 November 2010, Milano, Italy, Pag. 309 - 311, Poliscrypt 2011, 9788864930084, 2010
- 26) E. Pizzi, S. Capolongo, F. Schiaffonati, G. Andreoni, A. Baglioni, L. Chiara, C. Chesi, R. Contro, R. Fumero, C. Masella, E. Mussinelli, M. Romero, G. Santambrogio, C. Stevan, A. Tartaglia, O. Tronconi, *Domotics and Health Building Infrastructures*, in BioMed@POLIMI: 20 years and beyond, 1st Workshop on the Life Sciences at Politecnico di Milano, 34 November 2010, Milano, Italy, Pag. 403 - 410, 9788864930084, 2010
- 27) M. Mazzola, E. Preatoni, N. Emmanuele, M. Romero, F. Costa, G. Andreoni *DHM for Ergonomic Assessment of Home Appliances*, in AHFE 3rd International Applied Human Factors and Ergonomics Conference, 17-20 July 2009, Miami, USA, Pag. 1 - 8, 2010
- 28) G. Andreoni, L. Anselmi, F. Costa, M. Mazzola, E. Preatoni, M. Romero, B. Simionato, *Human behaviour analysis and modelling: a mixed method approach*, in AHFE 3rd International Applied Human Factors and Ergonomics Conference, 17-20 July 2010, Miami, USA, Pag. 90 - 97, USA, 2010
- 29) Tosi, F., Muschiato, S., Bellani, M., Romero, M., *Linee guida per la valutazione e la progettazione ergonomica delle postazioni di lavoro: Condizioni di usabilità e di sicurezza nelle fasi d'uso di macchinari e attrezzature per la piccola e media impresa manifatturiera*, in AA. VV. *Ergonomia: valore sociale e sostenibilità*, IX Congresso nazionale SIE, Rome, Italy, Nuova Cultura, 9788861345409, 2010
- 30) G. Andreoni, P. Arslan, F. Costa, S. Muschiato, M. Romero, L. Orbetegli, G. Gobo, *Sustainable Children's Product Experience. University collaboration with Italian industry in Lombardy Region*, in *Sustainability in Design: Now!*, Bangalore, India, Pag. 1184 - 1195, 9781906093549, 2010
- 31) M. Romero, F. Costa, G. Andreoni, M. Mazzola, J. Vargas, L. Conenna, *Proactive Ergonomics in Refrigerator Concept Development*, in HCI International 2009, 19-24 July 2010, San Diego, CA, USA, Pag. 627 - 634, 2009
- 32) G. Andreoni, M. Mazzola, O. Ciani, M. Zambetti, M. Romero, F. Costa, E. Preatoni, *Method for Movement and Gesture Assessment (MMGA) in ergonomics*, in LECTURE NOTES IN COMPUTER SCIENCE, ICDHM 2009, Digital Human Modeling Second International Conference, Held as Part of HCI International 2009, 19-24 July 2009, San Diego, CA, USA, Pag. 591 - 598, Springer Berlin / Heidelberg, USA, 9783642028083, 0302-9743, 2009
- 33) Caroline Martins de Assis, M. Romero, F. Costa, G. Andreoni, *GEO_ Global Ethnographic Observation: a case study on user centred design of dishwashers*, in INTED2009 Proceedings CD, Valencia, Spain, Pag. 4671 - 4674, 9788461275786, 2009
- 34) M. Romero, M. Gong, F. Costa, *International Workshop Experiences in Healthcare*, in INTED2009 Proceedings CD, Valencia, Spain, Pag. 4625 - 4628, 9788461275786, 2009
- 35) M. Romero, M. Mazzola, F. Costa, G. Andreoni, *An Integrated method for a qualitative and quantitative analysis for an ergonomic evaluation of home*

appliances, in *Measuring Behavior* 2008, Maastricht, Pag. 107 - 108, 9789074821810, 2008

- 36) M. Romero, *El designer de productos inteligentes*, in 1st International Congress of Design, Art and New Technologies: Ways, Exchanges and Frontiers, Lisbona, Portogallo, Pag. 1 - 5, ISCE, 9728980132, 2006
- 37) M. Romero, *Interaction in Ambient Intelligence*, in Bagnara, S., Tartaglia, R. Tosi, F. L'ergonomia tra innovazione e progetto, sistemi di lavoro e stili di vita. VIII Congresso nazionale SIE, Milano, Italy, Pag. 302 - 305, 8871863151, 2006

Publications
(Posters)

- 1) Arslan P., Nam H., Romero M., Perego P., Costa F., Andreoni G., Muschiato S. *MOHE: Mobile Health for moms, kids, adults and elderly*, in ICDC2010 First International Conference on Design Creativity, ICDC2010 First International Conference on Design Creativity, Kone (Japan), Pag. 1 - 1, 2010
- 2) C. Martins de Assis, M. Romero, F. Costa, G. Andreoni, *Global Ethnography for Intercultural Products: Dishwashers Experience*, HCI International 2009, 19-24 Luglio 2009, San Diego, CA, USA, 2009
- 3) M. Romero, F. Costa, Anil Ilgaz, P.Arslan, *Ergonomic approaches applied to product design. An international research and education experience*, in ICERI2009, Madrid, Spain, Pag. 1 - 1, 9788461329557, 2009

Patents

- 1) 2019, **Capacitive sensor and method to produce said capacitive sensor**, M. Romero, et. Al. WO/2019/123503, Relevance: International
- 2) 2018, **Rehabilitation apparatus for upper limb**, M. Romero, et. Al. WO/2018/050632, Relevance: International
- 3) 2010, **Chair Structure**, M. Romero, et. Al. US/2010/0259084 Relevance: International (United States)
- 4) 2009, **Chair Structure**, M. Romero, et. Al. WO/2009/069158, Relevance: International (Europe)
- 5) 2006, **Single Hand cutlery**, M. Romero, et. Al., MI/2006/A000183, Relevance: National
- 6) 2005, **Modular ergonomic chair**, M. Romero, et. Al. PCT/EP/2005/004402, Relevance: International.
- 7) 2004, **Modular ergonomic chair**, M. Romero, et. Al. MI/2004/A000784, Relevance: National.

ANNEX B

Contract Professor

- 1) 2020, 17 March to June, (2° Sem),
Interdisciplinary course of Robotics and Design (8th Ed.), 50 hs, English, Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
- 2) 2019-2020, September to January (1° Sem),
Product Design Studio “Intelligent Products”, 100 hs, Italian, IUAV University of Venice, Master in Product Design, Magazzini Ligabue, Dorsoduro, Venice, Italy. Role: Organizer / Professor, Resp.: Maximiliano Romero.
- 3) 2019, 30 September to 4 October (1° Sem),
Manufacturing technologies and Materials, 20 hs, Italian, IUAV University of Venice, Master in Product Design, Magazzini Ligabue, Dorsoduro, Venice, Italy. Role: Organizer / Professor, Resp.: Maximiliano Romero, in collaboration with Gerardo Mari
- 4) 2019, May to June, (2° Sem),
Interdisciplinary course of Robotics and Design (7th Ed.), 50 hs, English, Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
- 5) 2018-2019, September to January (1° Sem),
Product Design Studio “Intelligent Products”, 100 hs, Italian, IUAV University of Venice, Master in Product Design, Magazzini Ligabue, Dorsoduro, Venice, Italy. Role: Organizer / Professor, Resp.: Maximiliano Romero
- 6) 2018-2019, September to January (1° Sem),
Laboratory of Interaction Design and digital technologies for the scene, 60 hs, Italian, IUAV University of Venice, Master course of theatre and performative arts, Magazzini Ligabue, Dorsoduro, Venice, Italy. Role: Organizer / Professor, Resp.: Maximiliano Romero
- 7) 2018, May to June, (2° Sem),
Interdisciplinary course of Robotics and Design (6th Ed.), 50 hs, English, Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
- 8) 2017-2018, September to January (1° Sem),
Product Design Studio “Intelligent Products”, 150 hs, Italian, IUAV University of Venice, Master in Product Design, Magazzini Ligabue, Dorsoduro, Venice, Italy. Role: Organizer / Professor, Resp.: Maximiliano Romero
- 9) 2017-2018, September to January (1° Sem),
Laboratory of Interaction Design and digital technologies for the scene, 60 hs, Italian, IUAV University of Venice, Master course of theatre and performative arts, Magazzini Ligabue, Dorsoduro, Venice, Italy. Role: Organizer / Professor, Resp.: Maximiliano Romero
- 10) 2017, March to July, (2° Sem),
Problem Solving 2 In 093192 - Product Development Design Studio 2, 50, hs. English, Politecnico di Milano, School of Design + School of Engineering, Design & Engineering Master, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Venere Ferraro, Maximiliano Romero, Mario Covarrubias.
- 11) 2016, February 23rd to May, (2° Sem),
Interdisciplinary course of Robotics and Design (4th Ed.), 50, hs, English, Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
- 12) 2016, March to July, (2° Sem),
Physical Computing Principles (4th Ed.), 50, hs, Italian, Politecnico di Milano, School of Design, All Design Bachelor Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero
- 13) 2015, March to July, (2° Sem),
Problem Solving 2 In 093192 - Product Development Design Studio 2, 50, hs., English, Politecnico di Milano, School of Design + School of Engineering, Design & Engineering Master, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Venere Ferraro, Maximiliano Romero, Mario Covarrubias.
- 14) 2015, February 23rd, to, May, (2° Sem),
Interdisciplinary course of Robotics and Design (3rd Ed.), 50, hs, English,

- Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
- 15) 2014, October, to, March, (1° Sem), **Physical Computing Principles (3rd Ed.)**, 50, hs, Italian, Politecnico di Milano, School of Design, All Design Bachelor Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero
 - 16) 2014, March 10th, to, May, (2° Sem), **Interdisciplinary course of Robotics and Design (2nd Ed.)**, 50, hs, English, Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
 - 17) 2013, October, to, March, (1° Sem), **Physical Computing Principles (2nd Ed.)**, 50, hs., Italian, Politecnico di Milano, School of Design, All Design Bachelor Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero.
 - 18) 2013, February, to, May, (2° Sem), **Interdisciplinary course of Robotics and Design (1st Ed.)**, 50, hs., English, Politecnico di Milano, School of Design + School of Engineering, All Design Master Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero + Andrea Bonarini.
 - 19) 2012, October, to, March, (1° Sem), **Physical Computing Principles (1st Ed.)**, 50, hs., Italian, Politecnico di Milano, School of Design, All Design Bachelor Tracks, Via Durando 10, 20158, Milano, Italy, Role: Organizer / Professor, Resp.: Maximiliano Romero
 - 20) 2012, October, to, March, (1° Sem), **Final Synthesis Design Studio**, 100, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: Contract Professor with Prof. Giuseppe Andreoni and Prof. Sabrina Muschiato.

Teaching Assistant

- 1) 2010, October, to, March, (1° Sem), **Human Factors for designers**, 50, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: Assistant, Resp.: Prof. Fiammetta Costa.
- 2) 2010, March, to, July, (2° Sem), **Theory and methods of design studio**, 100, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: Assistant, Resp.: Prof. Fiammetta Costa - Prof. Lorenzo Palmeri.
- 3) 2009, October, to, March, (1° Sem), **Human Factors for designers**, 50, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: Assistant, Resp.: Prof. Fiammetta Costa
- 4) 2009, October, to, March, (1° Sem), **Final Synthesis Design Studio**, 100, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: Assistant, Resp.: Prof. Fiammetta Costa
- 5) 2008, October, to, March, (1° Sem), **Final Synthesis Design Studio**, 100, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: **Assistant**, Resp.: Prof. Laura Anselmi
- 6) 2008, October, to, March, (1° Sem), **Final Synthesis Design Studio**, 100, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: **Assistant**, Resp.: Prof. Fiammetta Costa
- 7) 2007, October, to, March, (1° Sem), **Theory and methods of design studio**, 100, hs., Italian, Politecnico di Milano, Faculty of Design, Product Design Bachelor of Science, Via Durando 10, 20158, Milano, Italy, Role: **Assistant**, Resp.: Prof. Fiammetta Costa - Prof. Lorenzo Palmeri.

Teaching activities (in Argentina)

- 1) 1998 March to 1999 December, (2 years), **Industrial Design**, Spanish, Universidad Tecnológica Nacional, Faculty of Industrial Engineering, Role: **Assistant Professor**, Resp. Prof. Guillermo Karhan.
- 2) 1996, October to 1998 October, (2 years), **Model Making Laboratory**, Spanish, Universidad Nacional de Córdoba, Faculty of Architecture, Urbanism and Design,

Role: **Assistant Student**. Resp.: Prof. Arq. Oscar Lastra.

Main interest in thesis supervision is related with “**Humanization of the technology**”.

The representing topics are: Industrial Design, Ergonomics, Health Care, Human Computer Interaction, Assistive Technology, Interaction Design, Robotics. Several other thesis has been supervised as Co-supervisor because mainly related with topics from near fields as Wearable Computing (fashion), Responsive Facades (architecture).

Thesis supervision
at University IUAV of Venice

- 1) **Sistema non invasivo per il rilevamento delle crisi epilettiche**, Iacopo Cecchetto, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 2) **‘more: un sistema integrato prodotto e servizio per la gestione del fenomeno turistico a Venezia**, Edoardo di Pietro, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 3) **Sistema per l'allenamento per soggetti ADHD**, Vera Francescato, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 4) **Robin, Robot Insegnante**, Giorgio Napoli, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 5) **Sistema per il monitoraggio e l'incentivo all'uso dell'arto paretico**, Greta Carullo, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 6) **Rehabilitation system for sport**, Stefano Paglia, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 7) **Prosthetic hand for kids**, Giulia Spessot, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2019.
- 8) **Sistema integrato per incentivare l'attività fisica negli anziani**, Francesca Menghi, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2018.
- 9) **Sistema integrato per incentivare l'attività fisica negli anziani**, Francesca Menghi, Design del prodotto e della comunicazione visiva, Università IUAV di Venezia, Supervisor: Maximiliano Romero, 2018.

Thesis supervision
at Politecnico di Milano

- 1) **Soft Exosuit for Osteoarthritis Patients**, Author: Goutham Ksheerasagar, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2018
- 2) **Wearable Pulse Oximeter for Geriatric Care**, Author: Rohan Vangal, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2018
- 3) **Travel Telescope for amateur astronomy**. Author: Felipe Menzella, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2018
- 4) **MoBot, Modular Open Source Robot**. Author: Edoardo Gallenzi, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2018
- 5) **Riby, Robot for therapies of autistics adults**. Author: Andrea Brivio, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2016
- 6) **M-cycle: Keep walking around the world remaining within doors**. Author: Xu Wei, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2016
- 7) **Thund, Neural interface system for smartphone**, Author: Alessandro Froiio, Supervisor: Maximiliano Romero, Product Design Master of Science, Politecnico di Milano. 2016
- 8) **Holdon, Wearable electro stimulation system for post stroke rehabilitation**, Author: Alexander Shumsky, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano. 2016
- 9) **Pollicino: Navigation system for blind people**, Author: Carolina Ferrari, Supervisor: Maximiliano Romero, Product Design Master of Science, Politecnico di Milano. 2015
- 10) **ProBot Family: Robot for TradeShow**, Author: Ksenia Racaceva, Supervisor:

- Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2015.
- 11) **Rocky: Rehabilitation glove for stroke patients.** Author: Ludovica Zengiaro, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2015
 - 12) **CaroMio:** Multimedia communication device based on TV for elderly people. Author: Alessio De mitri, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano. 2015
 - 13) **Walker,** Author: Xiaosu Xing, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano. 2014
 - 14) **IV Pole,** Author: Su Chang, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano. 2014
 - 15) **Transfer device from wheelchair to car seat,** Author: Hangdi Wu, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 16) **Play your Story, toy for communication and interaction with autistic children.,** Author: Carola Stinchelli, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 17) **O-Rits: rhythm & music, rehabilitative system,** Author: Yael Bendit, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 18) **Amerigo, kayak for stroke rehabilitation.,** Author: Matilde Sessolo, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 19) **Swing. Neonatal intensive care unit.,** Author: Francesco Roma, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 20) **SULU: Playing the light. Musical instrument for stroke rehabilitation.,** Author: Zeyu Rong, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 21) **Goliath: Robot autonomous for two-dimensional cuts.,** Author: Lorenzo Frangi, Supervisor: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano., 2014
 - 22) **Atlas: floating device for rehabilitation of upper limbs.,** Author: Andrea Villa, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 23) **Argo: ergometer for Snoezelen therapy,** Author: Eugenia Sanna, Supervisor: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2014
 - 24) **Cityclette: Training apparatus for interactive elderly,** Author: Maicol Zoia, Supervisor: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano. 2013

Thesis Co-supervisor

- 1) **Ephemeral Collection: Digital Fabrication in Fashion,** Author: Marina Valenti, Supervisor: Maria Grazia Soldati, Ass. Sup.: Maximiliano Romero, Fashion Design Bachelor of Science, Politecnico di Milano., 2015
- 2) **Urban Shadow - Denim clothes collection inspired to Parkour. (wearable technology),** Author: Irene Fedrigo, Supervisor: Maria Grazia Soldati, Ass. Sup.: Maximiliano Romero, Fashion Design Bachelor of Science, Politecnico di Milano., 2014
- 3) **Interactive book,** Author: Marta Zambelli, Supervisor: Mario Piazza, Ass. Sup.: Maximiliano Romero, Communication Design Bachelor of Science, Politecnico di Milano., 2014
- 4) **Denim clothes collection with reactive characteristics.,** Author: Irene Gussoni, Supervisor: Maria Grazia Soldati, Ass. Sup.: Maximiliano Romero, Fashion Design Bachelor of Science, Politecnico di Milano., 2014
- 5) **Responsive morphologies,** Author: Alberto Giacopelli, Supervisor: Attilio Nebuloni, Ass. Sup.: Maximiliano Romero, Architecture Master of Science, Politecnico di Milano., 2014
- 6) **Responsive morphologies,** Author: Antonio La Marca, Supervisor: Attilio Nebuloni, Ass. Sup.: Maximiliano Romero, Architecture Master of Science, Politecnico di Milano., 2014
- 7) **Sifra wheelchair: Sea without barriers.,** Author: Giovani Toscani, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design for Innovation

- Master of Science, Politecnico di Milano., 2013
- 8) **Pills dispenser machine for aging people with memory loss diseases**, Author: Patxi Arin Reiriz, Supervisor: Igone Velez, Ass. Sup.: Maximiliano Romero, Ingenieria Industrial Master Science, Università di Zaragoza/ Politecnico di Milano, 2013
 - 9) **3IKE: Bicycle for children with disabilities**, Author: Carlo Standoli, Supervisor: Giuseppe Andreoni, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2012
 - 10) **Sherpa: Shopping cart for large-scale retailers**, Author: Gabriele Torchiani, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2011
 - 11) **Par_table: Workstation for users with motor disabilities**, Author: Laura Scapni, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2011
 - 12) **Wheelchair backrest: Rigid structure with elastic response surface produced in Rapid Manufacturing.**, Author: Daniela Barata, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2011
 - 13) **Headset for Brain Computer Interface**, Author: Giuseppe Carosella, Supervisor: Giuseppe Andreoni, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2010
 - 14) **Sensorized T-shirt for soccer players**, Author: Alex Sartori, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2010
 - 15) **Control device for nutritional disorders**, Author: Azzurra Tornioli, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2010
 - 16) **Medicine dispenser with reminder for elderly**, Author: Fabio Tironi, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2010
 - 17) **Cell Phone for seniors**, Author: Stefania Ruggiero, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2010
 - 18) **Wearable device for measuring electrocardiogram**, Author: Paola Vercesi, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 19) **Bench for shoulder rehabilitation**, Author: Munir Spotti, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 20) **Headset for Brain Computer Interface**, Author: Alessio Unfer, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 21) **Device for shoulder rehabilitation**, Author: Lorenzo Vitella, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 22) **Sciaspola: sports equipment for snow**, Author: Andrea Sormani, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 23) **Treadmill**, Author: Gabriele Torchiani, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 24) **Transportation device for uncooperative patient**, Author: Davide Veronesi, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 25) **Video communication device for elderly**, Author: Maico Zoia, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 26) **RFID personal trainer**, Author: Daniele Zugliani, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 27) **Home automation interface for blind people**, Author: Simona Benditti, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 28) **Helmet with integrated lighting for caving**, Author: Elena Seregni, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of

- Science, Politecnico di Milano., 2009
- 29) **Meter prothrombin (clotting time of blood)**, Author: Marco Tonet, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 30) **Strimmer: Hearing aid**, Author: Giulia Settecasì, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 31) **Tricky: tilting vehicle for disabled people.**, Author: Roberto Brenno , Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2009
 - 32) **Nexo: Personal Robot**, Author: Manuel Mister, Supervisor: Prof. Arturo dell'Acqua Bellavitis, Ass. Sup.: Maximiliano Romero, Fashion Design Master of Science , Politecnico di Milano., 2009
 - 33) **Climbimb: System climbing for children**, Author: Giovani Toscani, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 34) **Andromeda: horizontal cyclette**, Author: Giacomo Sangiorgi, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 35) **Flex: lower limb rehabilitation device**, Author: Carlo Standoli, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2009
 - 36) **Traveller: backpacking tent**, Author: Eleonora Simonotti, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2008
 - 37) **Air Pack: equipment for outdoor sports**, Author: Virginia Tardella, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2008
 - 38) **Otcho: Bouldering safety mattress**, Author: Nicolas Sidoli, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2008
 - 39) **Slim: Home fitness bench**, Author: Jessica Trivellin, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2008
 - 40) **Environment 01: Variable volume trekking backpack** , Author: Michele Zangrandi, Supervisor: Fiammetta Costa, Ass. Sup.: Maximiliano Romero, Product Design Bachelor of Science, Politecnico di Milano., 2008
 - 41) **Symposium: Consumer RfID tag reader for wine bottles**, Author: Giuseppe Russo, Supervisor: Francesco Trabucco, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2007
 - 42) **DIGIHOME: Digital entertainment integrated system**, Author: Milena Moncalvo, Supervisor: Francesco Trabucco, Ass. Sup.: Maximiliano Romero, Design & Engineering Master of Science, Politecnico di Milano., 2006
 - 43) **Table: Kit for catering in aircraft**, Author: Pierpaolo Capestrani, Supervisor: Francesco Trabucco, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2006
 - 44) **Hyper Check: wearable system for monitoring and treatment of high blood pressure**, Author: Livia Boroli, Supervisor: Francesco Trabucco, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2006
 - 45) **My lunch: Product for transport, heating and cooling of the meals at the workplace.**, Author: Federica Bosisio, Supervisor: Francesco Trabucco, Ass. Sup.: Maximiliano Romero, Product Design for Innovation Master of Science, Politecnico di Milano., 2005

ANNEX C

Product and Interaction Designer

- 1) from 2014, June, to today,
Teo, Soft robot for research in autistic field. AirLab, Artificial Intelligence and robotic laboratory, Research and development, Via Rimembranze di Lambrate, Milano, Italy, **Product/ Interaction Designer**
- 2) from 2016, March , to 2016 April
Cactuut: wireless cell phone charger. www.jd.com, Chinese electronic

- commerce company headquartered in Beijing, China. **Product/ Interaction Designer**
- 3) from 2014, December, to today, **LonBot, Robot structure for emotional research.** AirLab, Artificial Intelligence and robotic laboratory, Research and development, Via Rimembranze di Lambrate, Milano, Italy, **Product/ Interaction Designer**
 - 4) from 2014, June, to today, **BasketBot, Basketball training robot,** AirLab, Artificial Intelligence and robotic laboratory, Research and development, Via Rimembranze di Lambrate, Milano, Italy, **Product/ Interaction Designer**
 - 5) from 2014, March, to 2014, April, **Pick Chroma city, Crowd interactive exhibition,** Utopia Srl. For Nokia, Exhibition and events, **Product/ Interaction Designer**
 - 6) from 2014, September, to 2014, October, **RoBox, Cardboard robot kit for didactics with children.** AirLab, Artificial Intelligence and robotic laboratory, **Product/ Interaction Designer**
 - 7) from 2013, February, to 2013, March, **Pick, Interactive system based on smartphones,** Comune di Reggio Emilia, Public administration, Reggio Emilia (RE), Italy, **Interaction Designer /project manager,**
 - 8) from 2013, March, to 2013, April, **Tango Project, Interactive system for video management.** LENS European Project, Research and development, **Interaction Designer**
 - 9) from 2010, April, to 2010, December, Remy, Fumagalli Srl., Producer of disability aids and rehabilitation equipment, Piazza Puecher, 2 - 22037 Ponte Lambro (Co), Italy. www.fumagalli.org, **Product Designer,**
 - 10) from 2010, July, to 2012, July, DeskPlas, INAIL, Research and development, **Product design / Project Management,**
 - 11) from 2009, February, to 2010, February, Children seat, Fumagalli Srl., Producer of disability aids and rehabilitation equipment, Piazza Puecher, 2 - 22037 Ponte Lambro (Co), Italy. www.fumagalli.org, **Product designer,**
 - 12) from 2009, March, to 2009, June, Hospital Furniture, Missaglia Spa., Producer of furniture and equipment for hospitals, Via Matteotti, 69, 20035 Lissone (MB), Italy, www.missaglia.com, **Product designer,**
 - 13) from 2008, January, to 2009, January, Turner, Lamm Srl., Furniture for community, Via Verdi, 19/21, 43017 San Secondo Parmense (PR), Italy, www.lamm.it, **Product designer**
 - 14) from 2008, March, to 2008, April, Over Bank exhibition, Credito Valtellinese Spa., Banking, **Product designer,**
 - 15) from 2007, to 2011, Identity coordination, Fumagalli Srl., Producer of disability aids and rehabilitation equipment, Piazza Puecher, 2 - 22037 Ponte Lambro (Co), Italy. www.fumagalli.org, **Product designer,**
 - 16) from 2007, July, to 2008, July, EasyRider, Atala Spa., Bikes Manufacturing, Monza (MB), Italy, **Project Management,**
 - 17) from 2006, to 2010, Robin, Fumagalli Srl., Producer of disability aids and rehabilitation equipment, Piazza Puecher, 2 - 22037 Ponte Lambro (Co), Italy. www.fumagalli.org, **Product designer,**
 - 18) from 2005, January, to 2006, January, Freehand, Premax, Scissors producers consortium, Via Giabbio, 23834 Premana (LC), Italy, www.premax.it, **Product designer,**
 - 19) from 2005, to 2009, Shifu, Fumagalli Srl., Producer of disability aids and rehabilitation equipment, Piazza Puecher, 2 - 22037 Ponte Lambro (Co), Italy. www.fumagalli.org, **Product designer,**
 - 20) from 2003, June, to 2009, January, Web Site, Consuline, Lighting Design Studio, Via Valvassori Peroni 47/a, Milano, Italy. www.consuline.com, **Web Designer,**
 - 21) from 2002, June, to 2002, November, Children's Clothes, Benetton Group Spa., Clothes manufacturing., Villa Minelli, Ponzano Veneto (TV), Italy, **Stylist Jr.,**
 - 22) from 2002, November, to 2003, May, Products and exhibition, Studio Branco RLT srl., Design studio, **Designer,**
 - 23) from 2001, August, to 2002, May, Web Site, United Web, Benetton Group Spa., Fashion e-commerce., Villa Minelli, Ponzano Veneto (TV), Italy, **Visual Merchandiser, Web Designer,**
 - 24) from 2001, March, to 2001, May, Web Site, CiErg. Centre of Ergonomics research, Politecnico di Milano, Research and development, Via Durando 38/A, 20158, Milano (MI), Italy, **Graphic/Web Designer,**