

INFORMAZIONI PERSONALI



Monteriù Andrea

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Sesso Maschile | Data di nascita 23/04/1975 | Nazionalità Italiana

TITOLO DI STUDIO

Laurea Magistrale V.O. in Ingegneria Elettronica (specializzazione Controlli Automatici) & Dottorato di Ricerca in Sistemi Artificiali Intelligenti

ESPERIENZA PROFESSIONALE

01/11/2015–alla data attuale

Ricercatore a Tempo Determinato (Tipo A)

Università Politecnica delle Marche, Ancona (Italia)

2010–alla data attuale

Università Politecnica delle Marche, Ancona (Italia)

Professore a contratto

"*Fondamenti di Automatica*" Corso di Laurea in Ingegneria Gestionale

"*Tecnologie per l'Automazione Industriale*" Corso di Laurea in Ingegneria Gestionale

"*Tecnologie per l'Automazione e la Robotica*" Corso di Laurea in Ingegneria Informatica e dell'Automazione e in Ingegneria Meccanica

2007–30/10/2015

Università Politecnica delle Marche, Ancona (Italia)

Assegnista di ricerca presso il Dipartimento di Ingegneria dell'Informazione

2006–2010

Università Politecnica delle Marche, Ancona (Italia)

Coadiutore Didattico presso il Dipartimento di Ingegneria Informatica, Gestionale e dell'Automazione

01/2005–10/2005

University of South Florida, Tampa, FL (Stati Uniti d'America)

Ricercatore invitato presso il Center for Robot Assisted Search & Rescue (CRASAR) sotto la supervisione del Prof. Kimon Valavanis

ISTRUZIONE E FORMAZIONE

15/12/2006

Dottorato di Ricerca in Sistemi Artificiali Intelligenti

Università Politecnica delle Marche, Ancona (Italia)

con la tesi dal titolo "Model-Based Fault Diagnosis for Mobile Robotic Systems" focalizzata sui principali "metodologie e tecnologie innovative per la rilevazione e l'isolamento di guasti nei moderni sistemi di controllo" sotto la supervisione del Prof. Sauro Longhi

- 23/11/2003 **Abilitazione all'esercizio della Professione di Ingegnere**
 Università Politecnica delle Marche, Ancona (Italia)
 Esame di Stato per l'abilitazione alla Professione di Ingegnere
- 12/11/2003 **Laurea Magistrale V.O. con Lode in Ingegneria Elettronica (specializzazione in Controlli Automatici)**
 Università Politecnica delle Marche, Ancona (Italia)
 con la tesi intitolata "Fault-tolerant methods for sensor fusion", interamente sviluppata durante il "Programma Socrates Erasmus" presso l'Automation Department of Technical University of Denmark, DTU, Lyngby, Danimarca sotto la supervisione del Prof. Mogens Blanke
- 27/07/1994 **Diploma di scuola superiore di secondo grado di durata quinquennale di Perito Tecnico Industriale per l'Elettronica e le Telecomunicazioni (Pro- getto Sperimentale "Ambra")**
 Istituto Tecnico Industriale Statale "Girolamo e Margherita Montani", Fermo (Italia)

COMPETENZE PERSONALI

Lingua madre italiano

Lingue straniere	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
inglese	C1	C1	C1	C1	C1
spagnolo	A2	A2	A2	A2	A2

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato
 Quadro Comune Europeo di Riferimento delle Lingue

Patente di guida B

ULTERIORI INFORMAZIONI

Interessi di ricerca Gli interessi di ricerca riguardano il campo della teoria dei sistemi e del controllo, principalmente incentrati sulla diagnosi guasti, sulla gestione dei guasti, sul controllo tollerante i guasti e le rotture, sul controllo nonlineare, sulla regolazione e sull'asservimento, sui sistemi dinamici nonlineari e sulle applicazioni ai sistemi robotici e marini, robotica di servizio per le applicazioni assistive e riabilitative. Attualmente, fa parte di diversi progetti di ricerca finanziati da enti di ricerca e aziende italiane, centrati sulla diagnosi guasti.

Campi di ricerca

- Diagnosi guasti
- Rilevamento ed isolamento di guasti
- Controllo tollerante i guasti e le rotture
- Gestione dei guasti
- Teoria dei sistemi e del controllo
- Dinamica nonlineare e controllo
- Sistemi periodici
- Sistemi stocastici
- Guida e controllo di sistemi autonomi

- Sistemi robotici, marini e aerospaziali
- Robotica riabilitativa ed assistiva
- Tecnologie per la salute
- Domotica assistiva

Attività didattica

2018–2019

Professore a contratto, "*Fondamenti di Automatica*" Corso di Laurea in Ingegneria Gestionale, Università Politecnica delle Marche, Ancona, Italia

2017–2018

Professore a contratto, "*Fondamenti di Automatica*" Corso di Laurea in Ingegneria Gestionale, Università Politecnica delle Marche, Ancona, Italia

2016–2017

Professore a contratto, "*Fondamenti di Automatica*" Corso di Laurea in Ingegneria Gestionale, Università Politecnica delle Marche, Ancona, Italia

2015–2016

Professore a contratto, "*Fondamenti di Automatica*" Corso di Laurea in Ingegneria Gestionale, Università Politecnica delle Marche, Ancona, Italia

2014–2015

Professore a contratto, "*Fondamenti di Automatica*" Corso di Laurea in Ingegneria Gestionale, Università Politecnica delle Marche, Ancona, Italia

2013–2014

Professore a contratto, "*Tecnologie per l'Automazione e la Robotica*" Corso di Laurea in Ingegneria Informatica e dell'Automazione e in Ingegneria Meccanica, Università Politecnica delle Marche, Ancona, Italia

2012–2013

Professore a contratto, "*Tecnologie per l'Automazione Industriale*" Corso di Laurea in Ingegneria Gestionale, Università Politecnica delle Marche, Ancona, Italia

2012

Professore invitato, "*Automation at the service of mankind*", Progetto Europeo COMENIUS Multilateral School Partnership NIF (New Ideas Factory), Istituto Volterra, Ancona, Italia

2006–2011

Seminario, "*Fault Diagnosis in Sensor Fusion*" per il Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2010–2011

Professore a contratto, "*Tecnologie per l'Automazione e la Robotica*" Corso di Laurea in Ingegneria Informatica e dell'Automazione e in Ingegneria Meccanica, Università Politecnica delle Marche, Ancona, Italia

2009–2010

Coadiutore didattico, "*Controlli Automatici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2008–2010

Seminario, "*Sviluppo dei sistemi di controllo automatico*" per il Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2008–2009

Coadiutore didattico, "*Controlli Automatici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

Coadiutore didattico, "*Modellistica e Identificazione dei Processi Dinamici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2007–2008

Coadiutore didattico, "*Controlli Automatici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

Coadiutore didattico, "*Modellistica e Identificazione dei Processi Dinamici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2006–2007

Coadiutore didattico, "*Controlli Automatici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

Coadiutore didattico, "*Modellistica e Identificazione dei Processi Dinamici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2005–2006

Coadiutore didattico, "*Modellistica e Identificazione dei Processi Dinamici*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

Coadiutore didattico, "*Automazione Industriale*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

Coadiutore didattico, "*Sistemi di Automazione*" Corso di Laurea in Ingegneria Informatica e dell'Automazione, Università Politecnica delle Marche, Ancona, Italia

2005

Seminario, "*Fault Diagnosis for Mobile Robotic Systems: an introductory course*" per i Master of Science Students in Computer Science and in Computer Engineering, Department of Computer Science and Engineering, University of South Florida, Florida, USA

Servizi

Revisore

- 2016–oggi
 - Editor del Journal of Intelligent & Robotic Systems, Springer-Verlag
- 2014
 - Revisore dell'IEEE Journal of Ocean Engineering
- 2013–oggi
 - Revisore dell'IEEE Transactions on Automatic Control
 - Revisore dell'IEEE Transactions on Control Systems Technology
- 2010–oggi
 - Revisore delle Systems & Control Letters, Elsevier
- 2008–oggi
 - Revisore dell'International Journal of Robust and Nonlinear Control, Wiley
 - Revisore del Journal of Systems and Software, Elsevier
 - Revisore dell'IMA Journal of Mathematical Control and Information, Oxford Journal

- 2005-oggi
 - Revisore del Journal of Intelligent & Robotic Systems, Springer-Verlag
- 2004-oggi
 - Membro dell'IEEE
- Chair e Co-Chair di Sessioni di Conferenze**
- 2015
 - 54th IEEE Conference on Decision and Control, Osaka, JAPAN, December, 15–18, 2015
- 2014
 - 53rd IEEE Conference on Decision and Control, Los Angeles, USA, December, 15–17, 2014
- 2013
 - 52nd IEEE Conference on Decision and Control, Florence, Italy, December, 10–13, 2013
- 2008
 - 17th IFAC World Congress, Seoul, Korea, July, 6–11, 2008
- 2007
 - European Control Conference, Kos, Greece, July 2–5, 2007
- 2006
 - 14th Mediterranean Conference on Control and Automation, Ancona, Italy, June 28–30

Membro di Comitati Organizzatori

- 2015
 - Program Committee Member of the XXVI Congresso de ALASS, Ancona, Italy, September 12–15, 2015
- 2014
 - Program Committee Member of the 5th Italian Forum on Ambient Assisted Living, Catania, Italy, September 2–5, 2014
- 2013
 - Co-Chair of the 4th Italian Forum on Ambient Assisted Living, Ancona, Italy, October 23–25, 2013
- 2007
 - Organizer of the poster session on "Collaborative activities in marine systems around the adriatic region", IFAC Conference on Control Applications in Marine Systems, Bol, Craozia, September 19–21, 2007
- 2004
 - Member of the "National Organizing Committee" of the IFAC Conference on Control Applications in Marine Systems, Ancona, Italy, July 7–9, 2004

Finanziamenti di ricerca

Progetti attuali

- *Progetti Nazionali*
 - Progetto PON: "SI-ROBOTICS - Social ROBOTICS for active and healthy ageing" – Progetto di ricerca industriale e di sviluppo sperimentale nelle 12 aree di specializzazione individuate nel PNR 2015-2020, di cui al D.D. del 13 luglio 2017 n. 1735 – Progetto n. ARS01_01120 (2o classificato nell'Area di specializzazione: Tecnologie per gli Ambienti di Vita) – ruolo da ricoprire: ricercatore (36 mesi)
 - "SHELL (Shared Interoperable Home Ecosystems for a Green, Comfortable and Safe Living)" Cluster Tecnologico Nazionale - Tecnologie per gli ambienti di vita, Progetto n. CTN01 00128 111357 (responsabile & ricercatore, 36 mesi, da 01/01/2014 al 31/12/2016)
 - "HEALTH @ HOME (Smart Communities a servizio del benessere del cittadino)" Smart Cities and Communities, Progetto n. SCN 00558 (ricercatore, 26 mesi, da 01/07/2014 al 31/08/2016)

- "HERCULES - High Efficiency and compact eneRgy storage solutions for multi-function laser guided vehicles Controlled and monitored Using smart ICT LEan-logistics solutionS", Progetto n. 15351 della Regione Marche (POR-FESR 2014-2020), (ricercatore, 24 mesi)
- "GREEMEN - GREEn sMart kitchEN: Cucina intelligente ad impatto ambientale consapevole e sostenibile", Progetto n. 15374 della Regione Marche (POR-FESR 2014-2020), (ricercatore, 24 mesi)
- "E-FESTO - Extra – Flux stoichiometric gaS burner cookTOP", Progetto n. 15308 della Regione Marche (POR-FESR 2014-2020), (ricercatore, 24 mesi)

■ *Progetti di Ateneo*

- "MIR-AGE - Multidisciplinary Innovative Research Actions on AGE (UnivPM-BA Index)" - Progetto Strategico dell'Università Politecnica delle Marche (coordinatore e ricercatore, 24 mesi, dal 10/01/2017 al 09/01/2019)
- "Applicazione delle tecniche Time Reversal al trasferimento di potenza wireless a droni autonomi operanti in ambienti complessi" Progetto finanziato con la Ricerca Scientifica di Ateneo dell'Università Politecnica delle Marche, delibera del C.d.A. n. 230 del 16.09.2016 (coordinatore e ricercatore, 24 mesi)

Progetti completati

■ *Progetti Europei*

- Progetto Europeo del Programma H2020: "INTERFACE - TSO-DSO- Consumer INTERFACE architecture to provide innovative grid services for an efficient power system" – Project ID 824330 – ruolo da ricoprire: ricercatore (36 mesi)
- Progetto Europeo del Programma H2020: "MUSE GRIDS - Multi Utilities Smart Energy GRIDS" – Project ID 824441 – ruolo da ricoprire: ricercatore (36 mesi)
- ARTEMIS "R3-COP: Robust & Safe Mobile Co-operative Autonomous Systems", Project n. 100233 (ricercatore, 36 mesi)
- Progetto del 7 Programma Quadro "JADE: Joining innovative Approaches for the integration and Development of transnational knowledge of clusters policies related to independent of Elderly", Progetto n. 266422 (ricercatore, 36 mesi)
- INTERREG III-A Project: "SIOI: Social Integration Of Immigrants" (ricercatore, 24 mesi)
- INTERREG III-A Project: "SARA: Secretariat for the Adriatic: towards a near Adriatic" (ricercatore, 24 mesi)

■ *Progetti Nazionali*

- "Studio di un pannello strutturale innovativo dotato di sensori (Concrewall EVO) per realizzare edifici caratterizzati da costi contenuti, elevata resistenza sismica, risparmio energetico e comfort acustico" POR MARCHE 2007-2013 Promozione della ricerca e dello sviluppo in filiere tecnologico-produttive (ricercatore, dal 01/05/2013 al 31/10/2014)
- "HICMO: HIC Manebimus Optime (Well be very well here - Casa intelligente per una longevità attiva e indipendente dell'anziano)" Sviluppo di piattaforme di integrazione dedicate all'active aging e all'ambient assisted living, Project n. DGR 1464 7/11/2011 (ricercatore, 24 mesi, dal 01/04/2013 al 31/03/2015)
- "OSTIS (Operating System and Tools for Interoperable Smart electrical household appliances)" INDUSTRIA 2015: Nuove Tecnologie per il Made in Italy, Progetto n. MI01 00236 (ricercatore, 36 mesi, dal 01/04/2011 al 31/03/2014)
- "SMILING (SMart In home LiviNG: Innovative technologies for sensors and automation dedicated to Home Automation)" RIDITT - Rete Italiana per la Diffusione dell'Innovazione e il Trasferimento Tecnologico alle imprese, promosso dal Ministero dello Sviluppo Economico (MiSE) e gestito dall'IPI (Istituto per la Promozione Industriale), Progetto n. MI01 00236 (ricercatore, 21 mesi, dal 01/04/2010 al 31/01/2012)
- Progetto di Ricerca Nazionale P.R.I.N. 2005 ASD/09 "Integrazione sensoriale per la gestione e controllo di veicoli autonomi eterogenei", (ricercatore, 24 mesi)

■ *Progetti di ricerca*

OMNIPACK s.r.l., "Prognosi e gestione dei guasti in macchine complesse di imballaggio industriale" (dal 03/07/2012 al 02/07/2013)

A.E.A. Loccioni Group, "Algoritmi di localizzazione e navigazione autonoma per un plotone di robot mobili cooperanti" (dal 19/12/2008 al 31/12/2010)

API s.p.a., "Diagnosi e rilevamento di guasti nei processi petrolchimici" (dal 01/03/2009 al 30/06/2009)

BCB ELECTRIC s.r.l., "Sviluppo di un sistema di monitoraggio e gestione delle emergenze per sistemi di produzione complessi" (dal 06/05/2009 al 30/05/2010)

ENERGY RESOURCES s.p.a., "Progetto ROTOGEO: Studio e caratterizzazione di un sistema di automazione per lo sviluppo di una innovativa elica geotermica" (dal 23/12/2010 al 30/07/2011)

IDEA s.c.a.r.l., "Localizzazione e simultanea ricostruzione della mappa per ambienti interni in presenza di dati sensoriali incerti" (dal 01/10/2008 al 31/12/2008)

INNOVAPAC s.r.l., "Analisi e studio della complessità e dell'innovazione tecnologica di una macchina da stampa" (dal 03/08/2008 al 05/08/2009)

INTEGRA s.r.l., "Programmazione di PLC per il completo controllo di un distributore automatico di pallet" (dal 01/12/2008 al 30/11/2009)

LARDINI s.r.l., "Tempo di ciclo e ottimizzazione della qualità del servizio del processo di confezionamento dei vestiti su misura attraverso lo studio e l'implementazione di avanzati sistemi informativi e meccanici" (dal 24/11/2008 al 30/09/2009)

MBDA inc ALENIA, "Ottimizzazione della guida e della strategia controllo di un missile intercettore" (dal 01/03/2005 al 30/06/2005)

■ Consulenze

SCHNELL WIRE SYSTEM s.r.l., "Sviluppo di un sistema CAM di supporto a macchine automatiche per l'assemblaggio di strutture piane o piegate in acciaio per il cemento armato" (dal 28/05/2012 al 27/05/2013)

FAAM s.p.a., "Sviluppo di un sistema di gestione guasti per una innovativa batteria al litio" (dal 01/04/2007 al 30/09/2007)

SPES s.r.l., "Monitoraggio di parametri biometrici attraverso l'utilizzo di sensori indossabili" (dal 01/03/2009 al 30/05/2009)

TRE P ENGINEERING, "Progetto ACTIVE-SHELL: un guscio attivo per il rinnovo ad impatto zero di costruzioni industriali e commerciali" (dal 17/10/2012 al 16/12/2012)

Riconoscimenti e premi

■ 2009

□ Finalista come miglior articolo, 8th International Conference on Manoeuvring and Control of Marine Craft, Guaruja, Brazil

■ 2005

□ Borsa di ricerca, University of South Florida, Florida, USA

■ 2003

□ Laurea con lode, Università Politecnica delle Marche, Ancona, Italia

■ 2002-2003

□ Borsa per il Programma Socrates Erasmus, Technical University of Denmark, Lyngby, Danimarca

Pubblicazioni

Libri

[B7] S. Longhi, A. Monteriù, and A. Freddi, editors. Fault Diagnosis and Fault-tolerant Control of Robotic Systems, volume in Press. Institution of Engineering and Technology, London, 2019

[B6] C. Casiddu, N. and Porfirone, A. Monteriù, and F. Cavallo, editors. Ambient Assisted Living - Italian Forum 2017, volume in Press. Springer International Publishing, 2018

[B5] S. Longhi, A. Monteriù and A. Freddi, editors. Human Monitoring, Smart Health and Assisted Living: Techniques and technologies. IET Institution of Engineering and Technology, 2017. doi: 10.1049/PBHE009E

[B4] F. Cavallo, V. Marletta, A. Monteriù and P. Siciliano, editors. Ambient Assisted Living: Italian

Forum 2016. Springer International Publishing, 2017. doi: 10.1007/978-3-319-54283-6

[B3] B. Andò, P. Siciliano, V. Marletta, and A. Monteriù, editors. Ambient Assisted Living: Italian Forum 2014. Springer International Publishing, 2015. doi: 10.1007/978-3-319-18374-9

[B2] A. Monteriù. Fault Detection and Isolation for Multi-Sensor Navigation Systems. Lambert Academic Publishing, 2014. doi: 10.13140/RG.2.1.4363.6320

[B1] S. Longhi, P. Siciliano, M. Germani, and A. Monteriù, editors. Ambient Assisted Living: Italian Forum 2013. Springer International Publishing, 2014. doi: 10.1007/978-3-319-01119-6

Capitoli su Libri

[Ch18] Alessandro Baldini, Lucio Ciabattoni, Riccardo Felicetti, Francesco Ferracuti, Alessandro Freddi, Andrea Monteriù, and Sundarapandian Vaidyanathan. Robust control of a photovoltaic battery system via fuzzy sliding mode approach, volume 709, pages 115–142. Springer Verlag, 2017

[Ch17] Lucio Ciabattoni, Francesco Ferracuti, Alessandro Freddi, Sauro Longhi, and Andrea Monteriù. Personal monitoring and health data acquisition in smart homes, volume Healthcare Technologies, 2017 - IET Digital Library, pages 1–22. IET The Institution of Engineering and Technology, London, 2017

[Ch16] Alessandro Baldini, Lucio Ciabattoni, Riccardo Felicetti, Francesco Ferracuti, Alessandro Freddi, Andrea Monteriù, and Sundarapandian Vaidyanathan. Particle swarm optimization based sliding mode control design: Application to a quadrotor vehicle, volume 709, pages 143–169. Springer Verlag, 2017

[Ch15] Lucio Ciabattoni, Francesco Ferracuti, Alessandro Freddi, Gianluca Ippoliti, Sauro Longhi, Andrea Monteriù, and Lucia Pepa. Human indoor localization for AAL applications: An RSSI based approach, volume 426, pages 239–250. Filippo Cavallo, Vincenzo Marletta, Andrea Monteriù, Pietro Siciliano, 2017

[Ch14] Maurizio Ciaschini, Monica De Angelis, Andrea Monteriù, Rosita Pretaroli, Francesca Severini, and Claudio Succi. The role of ICT in the Italian health care system, volume 392, pages 3–17. Springer Verlag, 2016

[Ch13] Longhi S., Ciabattoni L., Ferracuti F., Freddi A., Monteriù A., Ortenzi D., and Romeo L.. Tecnologie assistive per la vita indipendente, volume 35, pages 415–428. Paatron Editore, Bologna, 2016

[Ch12] A. Freddi, S. Longhi, A. Monteriù, D. Ortenzi and M. Prist, Mobile Networks for Biometric Data Analysis, chapter: Preliminary Study of a Novel Shelving System for Nutrition Habits Measuring. Springer International Publishing, Jul 2016

[Ch11] L. Cavanini, G. Cimini, A. Freddi, G. Ippoliti, and A. Monteriù. Robot Operating System (ROS): The Complete Reference, chapter ROS: a ROS Package for Rapid Prototyping. accepted to be published on Studies in Systems, Decision and Control. Springer International Publishing, Aug 2015

[Ch10] D. Ortenzi, A. Freddi, S. Longhi, A. Monteriù, and M. Prist. Ambient Assisted Living: Italian Forum 2015, chapter A novel shelving system for nutrition habits measuring. accepted to be published in Lecture Notes in Electrical Engineering. Springer International Publishing, 2015

[Ch9] F. Benetazzo, S. Iarlori, F. Ferracuti, A. Giantomassi, D. Ortenzi, A. Freddi, A. Monteriù, S. Innocenzi, M. Capecci, M.G. Ceravolo, and S. Longhi. Ambient Assisted Living: Italian Forum 2014, chapter Low Cost RGB-D Vision Based System to Support Motor Disabilities Rehabilitation at Home, pages 449–461. Biosystems & Biorobotics. Springer International Publishing, 2015b. doi: 10.1007/978-3-319-18374-9_42

[Ch8] A. Giantomassi, M. Capecci, F. Benetazzo, S. Iarlori, F. Ferracuti, A. Freddi, A. Monteriù, S. Innocenzi, P. Casoli, M.G. Ceravolo, S. Longhi, and T. Leo. Ambient Assisted Living: Italian Forum 2014, chapter Training and Retraining Motor Functions at Home with Help of Current Technology for Video Games: Basis for the Project, pages 439–447. Biosystems & Biorobotics. Springer International Publishing, 2015. doi: 10.1007/978-3-319-18374-9_41

[Ch7] F. Benetazzo, F. Ferracuti, A. Freddi, A. Giantomassi, S. Iarlori, S. Longhi, A. Monteriù, and D. Ortenzi. Ambient Assisted Living: Italian Forum 2014, chapter AAL Technologies for Independent Life of Elderly People, pages 329–343. Biosystems & Biorobotics. Springer International Publishing, 2015a. doi: 10.1007/978-3-319-18374-9_31

[Ch6] M. Ciaschini, M. De Angelis, A. Monteriù, R. Pretaroli, F. Severini, and C. Succi. Ambient Assisted Living: Italian Forum 2014, chapter Investments and Sustainability of Public Expenditure in the Health Sector, pages 35–46. Biosystems & Biorobotics. Springer International Publishing, 2015. doi: 10.1007/978-3-319-18374-9_4

[Ch5] A. Dyda, D. Oskin, S. Longhi, and A. Monteriù. Underwater Intelligent Control, chapter

- Underwater Robot Intelligent Control Based on Multilayer Neural Network. River Publishers, 2014
- [Ch4] F. Benetazzo, A. Freddi, A. Monteriù, V. Harmo, P. Kyrki, and S. Longhi. Ambient Assisted Living: Italian Forum 2013, chapter Autonomous assistive robot for respiratory rate detection and tracking. Springer-Verlag, 2014. 978-3-31901-118-9
- [Ch3] G. Cimini, F. Ferracuti, A. Freddi, S. Iarlori, and A. Monteriù. Ambient Assisted Living: Italian Forum 2013, chapter An odometry and QR code landmarks-based navigation system for impaired wheelchair users. Springer-Verlag, 2014. 978-3-31901-118-9
- [Ch2] A. Monteriù and S. Longhi. Fault Detection: Classification, Techniques and Role in Industrial Systems, chapter Model-Based Fault Diagnosis For Industrial Mobile Robots. Nova Science Publisher, 2013. 978-1-62808-999-8
- [Ch1] G. Ippoliti, L. Jetto, S. Longhi, and A. Monteriù. Mobile Robots: Perception & Navigation, chapter Comparative Analysis of Mobile Robot Localization Methods Based On Proprioceptive and Exteroceptive Sensors, pages 215–237. Number 11. Literatur Verlag, Germany/ARS, Austria, February, 1 2007. 3-86611-283-1

Riviste

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