

Curriculum Vitae

Heading

Name: Vincenzo ARRICHIELLO
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Education:

Laurea Degree in Electronic Engineering, University of Genova, Italy
High School: Liceo Classico Andrea Costa, La Spezia, Italy

Experience:

Organization: SELEX Sistemi Integrati SpA (Selex ES after January 1 st , 2013)	Location: La Spezia, Italy
Position: SELEX Sistemi Integrati Academy, Head	Dates: 2010 -
Main activities: <ul style="list-style-type: none">- Design of the organization of the Academy- Design of the curriculum and teaching programs of the "Large Systems School" (Systems Engineering)- Development and teaching of Systems Engineering Courses- Support to the development of the first Italian University Master on Systems Engineering, and teaching of courses [Tor Vergata University, Rome]- Teaching of Systems Engineering Courses for L&D initiatives supported by the Company [ITIS, Genova – Politecnico di Bari]	

Organization: SELEX Sistemi Integrati SpA	Location: La Spezia, Italy
Position: Systems Architecting Methods Unit, Head (Large Systems Architecture Dept.)	Dates: 2006 - 2009
Main activities: <ul style="list-style-type: none">- Analysis of the State of the Art, and development of Systems Architecting Methods and processes:<ul style="list-style-type: none">- reference Systems Architecting process- Originating Concept: an approach for architecting decision making- Development and teaching of the Systems Architecting Module of the Master "Homeland Security" [University Campus Bio-medico, Rome]	

Organization: Independent Consultant	Location: La Spezia, Italy
Position: N.A.	Dates: 2003-2005
Main activities: <ul style="list-style-type: none">- Haptic robotic workstation for neuromotor rehabilitation (design and development) [DIST, Genova University]- Feasibility studies addressing issues of packaging systems design [WRAPMATIC, IMA]- Systems Engineering technical assistance for the development of the requirements for naval unit [Orizzonte Sistemi Navali]- Analysis of the wave-induced motion of a data transmission buoy (existing), and design of corrective actions [SIELCO, La Spezia]	

Organization: EUREKA Engineering Srl	Location: La Spezia, Italy
Position: President (owner)	Dates: 1995 – 2002
Main activities:	
<ul style="list-style-type: none"> – Water-jet propulsion system for robotic underwater vehicles (design and development) [DIEE, Cagliari University] – High dexterity underwater manipulator prototype for the AMADEUS II Project (EC, MAST Programme) (design and development) [subcontractor of DIST, Genova University] – Fiber optic proximity sensor (technology development and design) – Consultancy for the design of an automated system for clothes wrapping – Gantry-crane model for motion control studies (design and development) [DIEE, Cagliari University] – Servo-actuated tilting platform for measurement of ankle stiffness (design and development) [Centro di Bioingegneria Ospedale “La Colletta”, DIST, Genova University] – Consultancies on technology transfer to SMEs, for a local Development Agency, on various topics (Shape Memory Alloys, Offshore Aquaculture, etc.) 	

Organization: INNOTECH Srl	Location: La Spezia, Italy
Position: President (co-owner)	Dates: 1997 – 2000
Main activities:	
<ul style="list-style-type: none"> – CLD (Coastal Lagrangian Drifter) system, a drifting buoys system specially designed for coastal use (Design, development, production, marketing, sale and customer support) – AtleTES Climb, a training evaluation system for free climbers (Design, development and experimentation) 	

Organization: INSIS Srl	Location: La Spezia, Italy
Position: VP for R&D	Dates: 1990 – 1995
Main activities:	
<ul style="list-style-type: none"> – Robotic bipedal locomotion system prototype (design and development) [DIST, Genova University] – Static anemometer for armoured vehicles (support to design and development) – Image capturing system for a postal automation system (feasibility study) [Elsag] – Fiber optic vibration sensor for electric machinery (industrialization of prototype) [Ansaldo] 	

Organization: WELSE Srl	Location: Genova, Italy
Position: employee	Dates: 1989 – 1990
Main activities:	
<ul style="list-style-type: none"> – preliminary design of the Command and Control system for the SA90 class and 300T class submarines (member of the design team) 	

Organization: OTO MELARA	Location: La Spezia, Italy
Position: employee	Dates: 1985 – 1989
Main activities:	
<ul style="list-style-type: none"> – Anti-aircraft tank (member of the system design team) – Target alert and designation system for anti-aircraft tank (chief engineer) 	

Organization: SIELCO Srl	Location: La Spezia, Italy
Position: employee	Dates: 1985
Main activities:	
<ul style="list-style-type: none"> – technical assistance to installation of the sonar system onboard an Italian Navy warship 	

Publications:

– "Robot mobili su gambe per la locomozione in ambienti non strutturati", Marini, A. Bicchi, D. Prattichizzo, P. Petreschi, G. Bartolini, V. Arrichiello, S. Aliboni; Atti del Convegno Nazionale Progetto Finalizzato Robotica, Italia, 1993.
– "Modeling And Control Of New Elements Of The AMADEUS Gripper Designed For Fast Manipulative Tasks" - V. Arrichiello, G. Bartolini, M. Coccoli; Proceedings of the OCEANS'98, IEEE/OES Conference
– "Experimentation of an innovative lagrangian coastal drifter" - A.Ribotti, G.De Falco, V.Arrichiello; Proceedings of the Second International Conference on EUROGOOS
– "Measurements of coastal circulation by using an innovative coastal drifter" - A.Ribotti, G.De Falco, V.Arrichiello, L.Amici; Proceedings of Oceanology International 2000
– "Measurements of Coastal Circulation Using an Innovative Coastal Drifter" - A.Ribotti, G.De Falco, R. Sorgente, V.Arrichiello, L.Amici; Integrated Coastal Zone Management Journal, Second Edition, October 2000
– "Braccio di ferro: a new haptic workstation for neuromotor rehabilitation"-Maura Casadio, Vittorio Sanguineti, Pietro G. Morasso, Vincenzo Arrichiello; Technology and Health Care, vol. 13, pp. 1-20, 2006
– "Large Systems School: Curriculum Development", Vincenzo Arrichiello, POLARIS Innovation Journal 08 - 2011
– "The Originating Concept: a Foundation for System of Systems Architecting Decision Making"- Vincenzo Arrichiello; Proc. of the 2012 7th International Conference on System of Systems Engineering (SoSE 2012), Genoa, Italy -16-19-July-2012

Patents:

– IT0001268150; "Dispositivo per la misurazione della velocita' di un flusso di fluido" "Device for measuring the velocity of a flow of fluid"
– PCT/EP1996/004717, (IT0001283536): "Method for measurement of distance of optoelectronic type and devices for the implementation of said method"
– EP1102661 (US6484601): "Bellows actuation device, specially for robotic manipulator, and method to operate said device"
– IT0001305421: "Imbustatrice per abiti, o simili" (co-inventor)
– IT0001366777: "Metodo e dispositivo per il posizionamento dinamico di oggetti in moto nello spazio, in particolare immersi in un fluido " (co-inventor)

Awards:

– SIRI (Italian Association for robotics and automation) - Award ROBOTIDEA 2001 "DANIELE FABRIZI" for the invention "Bellows actuation device, specially for robotic manipulator, and method to operate said device"
– FINMECCANICA Innovation Award 2008 "Laboratorio Virtuale abilitante alla Progettazione Collaborativa di Sistemi" (<i>Collaborative Systems Design Virtual Laboratory</i>)