



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Research Projects – SDG9

Funding	Program	Year	UNIVAQ role	Title	website	UNIVAQ Coordinator
European Research Funds	H2020	2021	PARTNER	<i>AI-augmented framework to automate the continuous development of cyber-physical system - AIDOaRt</i>	https://cordis.europa.eu/project/id/101007350	Romina Eramo
European Research Funds	H2020	2020	PARTNER	<i>Verification and Validation of Automated Systems' Safety and Security - VALU3S</i>	https://cordis.europa.eu/project/id/876852	Francesco Smarra
European Research Funds	H2020	2020	PARTNER	<i>MOlecular Quantum Simulations - MOQS</i>	https://cordis.europa.eu/project/id/955479	Leonardo Guidoni
European Research Funds	H2020	2020	PARTNER	<i>Intelligent Reliability 4.0 - IREL4.0</i>	https://cordis.europa.eu/project/id/876659	Luigi Pomante
European Research Funds	H2020	2020	PARTNER	<i>OPTIMised video content delivery chains leveraging data analysis over joint multilayered computing and 5G radio network infrastructures - OPTIMIST</i>	https://cordis.europa.eu/project/id/872866	Luigi Pomante
European Research Funds	H2020	2020	PARTNER	<i>A Cognitive Fractal and Secure EDGE based on an unique Open-Safe-Reliable-Low Power Hardware Platform Node - FRACTAL</i>	https://cordis.europa.eu/project/id/877056	Tania Di Mascio
European Research Funds	H2020	2020	PARTNER	<i>SoBigData-PlusPlusA–SoBigData++: European Integrated Infrastructure for Social Mining and Big Data Analytics - SoBigData++</i>	https://cordis.europa.eu/project/id/871042	Antiniscia Di Marco
European Research Funds	H2020	2020	COORDINATOR	<i>Multicore Quantum key Exchanger - MuQuAKE</i>	https://cordis.europa.eu/project/id/857156	Antonio Mecozzi
European Research Funds	H2020	2019	PARTNER	<i>Training the Next Generation of Experts in Scalable Low-Code Engineering Platform - LOWCOMOTE</i>	https://cordis.europa.eu/project/id/813884	Alfonso Pierantonio
European	H2020	2019	PARTNER	<i>Framework of Key enabling technologies for safe and</i>	https://cordis.europa.eu/project/id/826	Stefano Di Gennaro



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Research Funds				<i>autonompus drones – Comp4Drones</i>	610	
European Research Funds	H2020	2018	PARTNER	<i>Polvalot and Hybrid Persistence Architectures for Big Data Analytics - TYPHON</i>	https://cordis.europa.eu/project/id/780251	Davide Di Ruscio
European Research Funds	H2020	2018	PARTNER	<i>Aggregate farming in the cloud - AFARCLOUD</i>	https://cordis.europa.eu/project/id/783221	Luigi Pomante
European Research Funds	H2020	2018	PARTNER	<i>From the cloud to the edge – smart IntegraTion and OPTimization Technologies for highly efficient Image and Video processing Systems - FITOPTIVIS</i>	https://cordis.europa.eu/project/id/783162	Luigi Pomante
European Research Funds	H2020	2017	PARTNER	<i>MegaModelling at Runtime - scalable model-based framework for continuous development and runtime validation of complex systems - MegaMaRt2</i>	https://cordis.europa.eu/project/id/737494	Vittorio Cortellessa
European Research Funds	H2020	2017	PARTNER	<i>Developer-Centric Knowledge Mining from Large Open-Source Software Repositories - CROSSMINER</i>	https://cordis.europa.eu/project/id/732223	Davide Di Ruscio
European Research Funds	H2020	2017	PARTNER	<i>Future business models for the Efficient recovery of Natural and Industrial secondary resources in eXtended supply chains contexts - FENIX</i>	https://cordis.europa.eu/project/id/760792	Francesco Vegliò
European Research Funds	H2020	2017	PARTNER	<i>Aggregated Quality Assurance for Systems - AQUAS</i>	https://cordis.europa.eu/project/id/73747	Luigi Pomante
European Research Funds	H2020	2016	PARTNER	<i>User-centric Middleware Architecture for Advanced Service Provisioning in Future Networks - CASPER</i>	https://cordis.europa.eu/project/id/645393	Luigi Pomante
European Research Funds	H2020	2016	PARTNER	<i>Convergence of Electronics and Photonics Technologies for Enabling Terahertz Applications - CELTA</i>	https://cordis.europa.eu/project/id/675683	Giorgio Leuzzi
European Research Funds	H2020	2016	PARTNER	<i>Safe Cooperating Cyber-Physical Systems using WirelessCommunication - SafeCOP</i>	https://cordis.europa.eu/project/id/692529	Luigi Pomante
European Research Funds	H2020	2016	PARTNER	<i>Mobile health-Care system for monitoring toxicity and symptoms in cAncer patients Receiving diseasEoriented therapy - iCARE</i>	https://cordis.europa.eu/project/id/693680	Antinisca Di Marco
European Research Funds	H2020	2015	PARTNER	<i>Modelling and computation of Shocks and Interfaces - ModCompShock</i>	https://cordis.europa.eu/project/id/642768	Donatella Donatelli
European Research Funds	FP7	2014	PARTNER	<i>Factories of the Future Resources Technology Infrastructure and Service for simulation and modelling - FORTISSIMO</i>	https://cordis.europa.eu/project/id/609029	Isabella Daidone
				<i>Embedded Multi-Core Systems for Mixed Criticality</i>		



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European Research Funds	FP7	2014	PARTNER	<i>Applications in Dynamic and Changeable Real-Time Environments - EMC2</i>	https://cordis.europa.eu/project/id/621429	Luigi Pomante
European Research Funds	LIFE	2017	PARTNER	<i>Pilot technology for aerobic Biodegradation of spent TMAH Photoresist solution in Semiconductor industries - LIFE BITMAPS</i>	https://www.lifebitmaps.eu/	Marina Prisciandaro
Italian Research Funds	MIUR - PRIN	2022	PARTNER	<i>Engineered Machine Learning-intensive IoT systems (EMELIOT)</i>	PRIN 2020W3A5FY_003	Davide Di Ruscio
Italian Research Funds	MIUR - PRIN	2022	PARTNER	<i>New perspectives for the exploitation of female reproductive potential in mammals: from the recovery of the untapped natural ovarian reserve to the generation of oocytes and granulosa cells from mesenchymal stem cells (InfinitEGG)</i>	PRIN 2020KL3S9H_004	Guido Macchiarelli
Italian Research Funds	MIUR - PRIN	2022	PARTNER	<i>PHOtonics Terahertz devices based on tOpological materials (PHOTO)</i>	PRIN 2020RPEPNH_005	Andrea Marini
Italian Research Funds	MIUR - PRIN	2020	COORDINATOR	<i>Fiber Infrastructure for Research on Space-Division Multiplexed Transmission - FIRT</i>	PRIN 2017HP5KH7 https://www.santannapisa.it/en/research/projects/first-fiber-infrastructure-research-space-division-multiplexed-transmission	Antonio Mecozzi
Italian Research Funds	MIUR - PRIN	2020	COORDINATOR	<i>Advanced power-trains and -systems for full electric aircrafts</i>	PRIN 2017MS9F49	Carlo Cecati
Italian Research Funds	MIUR - PRIN	2020	PARTNER	<i>Solutions for Engineering Microservice Architectures - SISMA</i>	PRIN 201752ENYB http://sisma-prin2017.gitlab.io/	Paola Inverardi
Italian Research Funds	MIUR - PRIN	2020	PARTNER	<i>PRIN 2017RTYN2N: Wireless Power Transfer for Wearable and Implantable Devices - WPT4WID</i>	https://dei.unibo.it/it/ricerca/progetti-di-ricerca/progetti-nazionali/progetti-a-finanziamento-nazionale-projects-with-national-funding/prin-wpt4wid-wireless-power-transfer-for-wearable-and-implantable-devices	Mauro Feliziani
Italian Research Funds	MIUR - PRIN	2020	COORDINATOR	<i>Structure-preserving approximation of evolutionary problems</i>	PRIN 2017JYCLSF	Raffaele D'Ambrosio
Italian Research Funds	MIUR - PRIN	2020	PARTNER	<i>Circumterrestrial Environment: Impact of Sun-Earth Interaction - CEI6</i>	PRIN 2017APKP7T	Massimo Vellante



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Italian Research Funds	MIUR - PRIN	2020	PARTNER	<i>PRIN 2017X7X85K - The Dark Universe: A Synergic Multimessenger Approach -</i>		Zourad Berejiani
Italian Research Funds	MIUR - PRIN	2020	PARTNER	<i>Tuning and understanding Quantum phases in 2D materials -Quantum2D</i>	<i>PRIN 2017Z8TS5B</i> https://www.spin.cnr.it/research/project-s-grants	Gianni Profeta
Italian Research Funds	MIUR - PRIN	2020	PARTNER	<i>Neutrino and Astroparticle Theory Network - NAT-NET</i>	<i>PRIN 2017W4HA7S</i>	Francesco Villante
Italian Research Funds	MIUR - PRIN	2020	PARTNER			
Italian Research Funds	MIUR - PRIN	2015	COORDINATOR	<i>Scheduling cuts: new optimization models and algorithms for cutting, packing and nesting in manufacturing processes -</i>	<i>PRIN 20153TXRX9</i>	Claudio Arbib
Italian Research Funds	MIUR - PRIN	2015	PARTNER	<i>Governing Adaptive and Unplanned Systems of Systems - GAUSS</i>	<i>PRIN 2015KWREMX</i>	Paola Inverardi
Italian Research Funds	MIUR - PRIN	2015	PARTNER	<i>Millimetre-wave GaN based radar system for early detection of micro unmanned aerial vehicles -</i>	<i>PRIN 2015CPC2MA</i>	Giorgio Leuzzi
Italian Research Funds	MIUR - PRIN	2015	PARTNER	<i>Hyperbolic Systems of Conservation Laws and Fluid Dynamics: Analysis and Applications -</i>	<i>PRIN 2015YCIY3A</i>	Pierangelo Marcati
Italian Research Funds	PON-MITE CIR01_00015	2021	COORDINATOR	<i>PER-ACTRIS-IT Potenziamento della componente italiana della Infrastruttura\ndi Ricerca Aerosol, Clouds and Trace Gases Research Infrastructure - Rafforzamento del capitale umano.</i>	prot. n. 13841	Vincenzo Rizi
IT&EE Funds (Public)	MISE FSC	2021	COORDINATOR	<i>SICURA - caSa Intelligente delle teCnologie per la sicUREzza - L'Aquila - SICURA</i>	https://www.cueim.org/sicura-casa-tecnologie-emergenti-a-laquila-il-cueim-e-partner-del-progetto/	Fabio Graziosi
IT&EE Funds (Public)	PON	2021	COORDINATOR	<i>Development of computational framework for high-fidelity simulations, \n2- High-fidelity 3D simulations of large scale SRM</i>	Contract n. 2992/77	Andrea Di Mascio
IT&EE Funds (Public)	MISE FSC	2019	COORDINATOR	<i>Potenziamento degli UTT per una loro maggiore focalizzazione sulla protezione e trasferimento dei titoli di proprietà industriale relativi a specifici settori produttivi -</i>	https://ricerca-delibere.programmazioneeconomica.gov.it/70-21-	Luciano Fratocchi
IT&EE Funds	Delibera CIPE	2019	COORDINATOR	<i>Centre of EXcellence (EX) su veicolo connesso, geo-</i>	https://ricerca-	



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(Public)	70/2017			<i>localizzato e cybersicuro (EX-Emerge) -</i>	delibere.programmazioneeconomica.gov.it/70-21-novembre-2019/	Fortunato Santucci
IT&EE Funds (Public)	PON	2021	COORDINATOR	<i>Sistema elettronico per automazione Industriale - PROTRACK Prog n. F/190137/00/X44</i>	Contract n.1181/26	Vincenzo Stornelli
IT&EE Funds (Public)	PON	2021	COORDINATOR	<i>Redazione dello studio idrodinamico integrativo per il progetto Masterplan PSRA/07 denominato "Deviazione del porto canale di pescara A- 1A° stralcio A-completamento pennello di foce e scogliera di radimentoA"</i>		Marcello Di Risio
IT&EE Funds (Public)	PON	2021	COORDINATOR	<i>Development and the manufacture of a sample unit of the Universal Data Logger (UDL) device according to the following project activities:- Design and realization of robust prototype for a Universal Data Logger, that receive data from different sources</i>	Contract n.925/27	Gianluca Barile
IT&EE Funds (Public)	PON	2021	COORDINATOR	TERENCE	06RICUNEUVIT	Pierpaolo Vittorini
IT&EE Funds (Public)	Ministero Difesa	2021	COORDINATOR	QUASAR - Quantum Safe Network	Contract CIG: ZF929D03BE	Dajana Cassioli
IT&EE Funds (Public)	PNR	2021	COORDINATOR	CONTRATTO PNR	DM 737 - PNR	Marco De Luca
IT&EE Funds (Public)	PNR	2021	COORDINATOR	<i>Ricerca e Sviluppo di soluzioni basate sull' "integrazione sinergica di tecnologie Rail & Road</i>	10666/2022/164/2022 del 01.02.2	Costanzo Manes
IT&EE Funds (Public)	PON	2020	COORDINATOR	PON-AIM		Filippo Mignosi
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Realizzazione di una macchina elettrica sincrona a magneti permanenti nel rispetto delle specifiche tecniche SCD139</i>	Contract n. 3230/81	Marco Villani
IT&EE Funds (Public)	Contract Municipality	2021	COORDINATOR	<i>Analisi e caratterizzazione di un catalizzatore per l'ossidazione del monossido di carbonio installato nella centrale di Priolo</i>	Contract n. 4349/185/2021	Francesco Smarra
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Sviluppo di un sistema di ricarica wireless per dispositivi mobili di media potenza</i>	Contract n.2806/74	Tommaso Campi
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Attività di Ricerca e Sviluppo sull'Analisi sperimentale e di processo in scala laboratorio e pilota dei processi di recupero di metalli preziosi e base da affluenti del settore galvanico -</i>	Contract n.1406/35	Francesco Vegliò



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IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Recupero di terre rare da RAEE e rifiuti industriali: Analisi di fattibilità Tecnico Economica</i>	Contract n. 3920/91	Francesco Vegliò
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>TASI SSF2</i>	Contract n. 1520101416	Romina Eramo
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Avionic IFF reply processing for azimuth estimation</i>	Contract n. 57/2022/1/2022	Piero Tognolatti
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>La sperimentazione di una soluzione che riscaldi l'olio motore in aspirazione alla pompa del motore Firefly T4 condotta con prove su strada</i>	Contract n. 87/2022/3/2022	Davide Di Battista
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Assistenza nella sperimentazione di pompe olio trascinate elettricamente finalizzata alla determinazione della potenza assorbita e, per integrazione, dell'energia assorbita durante prove statiche e prove dinamiche</i>	Contract n. 104/2022/4/2022	Davide Di Battista
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Installazione, manutenzione ed assistenza alla gestione di stazioni di monitoraggio della Rete Ondametrica Nazionale (RON) - Caratterizzazione matematica del sistema scafo-ormeggio</i>		Marcello Di Risio
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Analisi di processo e dimensionamento preliminare di un impianto per il recupero di accumulatori Litio-ione</i>	Contract n. 394/2022/15/2022	Francesco Ferella
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Diagnosi predittiva dei fenomeni di corrosione elettrolitica da correnti vaganti - Analisi e Sviluppo di modelli circuitali orientati a supportare metodi e algoritmi di diagnostica predittiva dei fenomeni di corrosione elettrolitica da correnti vaganti in ambito ferroviario</i>		Antonio Orlandi
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>ECONET: Attività di supervisione e validazione riguardanti gli algoritmi di supporto decisionale al monitoraggio delle strutture della Rete Ferroviaria Italiana</i>	Contract n. 4794/199/2021	Stefania Costantini
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Progettazione Hardware firmware di una piattaforma elettronica di programmazione, test e debug per i</i>	Contract n. 161/2022/5/2022	Alfiero Leoni



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				<i>dispositivi DeepSense</i>		
IT&EE Funds (Private)	Contract	2020	COORDINATOR	<i>A dosimetric characterization of the NTP rodent bioassays reverberating exposure chambers -</i>	Contract n.2184/57	Valerio De Santis
IT&EE Funds (Private)	Contract	2020	COORDINATOR	<i>Sviluppo dispositivo ICT per stima risparmio energetico FTB</i>	Contract n. 1304/32/2020	Alessandro D'Innocenzo