

Paolo Fazzini	
Entity	CNR-IIA
Specific Qualifications and Experience Relevant to the Project Role	Research Fellow with expertise in machine learning (Deep Learning for forecasting, regression and classification and Multi-Agent Reinforcement Learning)
Present Position and Responsibilities	<ul style="list-style-type: none"> • Time Series analysis and forecasting • Traffic Digital Twin and Decision Support System (scientific supervisor)
Education:	
1994	Master in Nuclear Engineering. Thesis: 'Problemi di Termo-Fluidodinamica Risolti con il Metodo degli Elementi Finiti'.
Work Experience:	
2019-	<p>Entity: CNR-IIA Position: Research Fellow Responsibilities:</p> <ul style="list-style-type: none"> • Vehicle Traffic optimization with Multi-Agent Reinforcement Learning and pollutant release analysis • Mixed Cooperative/Competitive Behavior analysis of Multi-Agent systems with Reinforcement Learning and Natural Evolution Strategies • Vegetation classification with Remote Sensing and Convolutional Neural Nets
2017-2018	<p>Entity: Photonic Design Ltd (UK) Position: Senior Research Engineer Responsibilities: Fluid dynamic modeling of air-structure interactions</p>
2001-2016	<p>Entity: Imagination Technology (UK), PowerVR Division Position: Senior Research Engineer Responsibilities:</p> <ul style="list-style-type: none"> • 2D and 3D graphics • Digital Video Processing (De-interlacing, Noise Removal, Super Resolution, Y/C separation) • Digital Image Processing • Gamut Mapping • Neural Networks for artifact detection, noise-removal, super-resolution and semantic segmentation • Efficient bump mapping • Image compression <p>Patents:</p> <ul style="list-style-type: none"> • WO EP US JP GB US7733352B2 • WO EP US JP GB EP1623568B1 • US GB US20200342831A1 • WO EP US JP GB US20060181647A1 • WO JP US20060176394A1

	<ul style="list-style-type: none"> • WO EP US JP GB US20060176393A1 • WO EP US JP GB US20060053086A1 • WO EP US CN GB GB2484071B
1996-2000	<p>Entities: Sea srl - Idea Srl - Viasat Spa Position: S/W Engineer Responsibilities: Assembler S/W Developer - Web S/W Developer - Telecommunication S/W Developer</p>
1995	<p>Entity: Military/Civil Service</p>